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Case, S.M.

1972-76

Catalogue

#200 - #683

Calif.

Mexico

Montana

MISC.

ase, Susan M.
1972

Catalogue

1

Monroe Middlefork Camp, Middlefork Tuolumne River,
Tuolumne Co., Calif.

July 8

200 - ♀ - Karyotype; HLDH; MLDH; Hb

Rana boylei

201 - ♂ - " " "

R. boylei

Tuolumne Meadows, Yosemite Nat'l Park, Tuolumne
Co., Calif.

July 15

202 - ♀ - Karyo., LDH(H:m); Hb

R. muscosa

~~203 - ♀ (gravid)~~

Dana Fork, Tuolumne River, Yosemite Nat'l Park,
Tuolumne Co., Calif.

203 - ♀ (gravid) - Karyo., HLDH, MLDH; Hb.

R. muscosa
"

204 - ♂

Lueta Lake, Yosemite Nat'l Park, Tuolumne Co., Calif.

205 - ♂^{breed.} - Karyo (b m:t) HLDH, MLDH, Hb

R. muscosa

206 ♂^{breed.}

" " " "

" "

Monroe Middlefork Camp, Middlefork, Tuolumne River,
Tuolumne Co., Calif.

207 - no info - accid. death

R. boylei
"

208 - ♂ (breeding) - Karyo (b m:t), H/MLDH; Hb

209 - ♂ (breeding?)

" "

"

210 - ♀ - Karyotype; H/MLDH; Hb

"

211 - ♂ no info - accid. death

"

212 - ♂

"

"

213 - ♀

"

"

"

214 ♀ - frozen over 2 yrs. (not take liver)

215

216

Se, Susan M.
1972

Catalogue

2

Siesta Lake, Yosemite Nat'l Park, Inyo County, Calif. elev ~ 8000'

July 22

217-

R. muscosa

218- karyotype; M⁺H LDH; Hb - lg testes, lot of abnormal R. muscosa
gravid left femur. ♂

Cathedral Creek, Yosemite Nat'l Park, Inyo County, Calif. elev ~ 8160 - 8240'

219 - karyotype, Hb, LDH's, liver

R. muscosa

220

221 - Karyotype, Hb, LDH's, liver, kidney : 7^h po.

N. Fork of Cache Ck, 5.2 mi W. Barkersville, Lake Co. Calif. DB Wake, TA Wake, SS Sweet, collectors

14 Oct.

222 - LDH's, Hb; BM, spleen, kidney, testis, liver, gut/DNA. R. boylei

223 " " ; gut chrom; same kidney/liver

7^h po.

"

Redwood Creek, Napa Co., Calif

15, Oct.

224 - no info

R. boylei

Barthlett Spgs Rd 2.9 mi S. Colusa Co. Line, Lake Co. Calif. DB Wake, TA Wake & SS Sweet

14, Oct

225 - no info

R. boylei

226 - LDH's, chrom?, Hb, liver

"

227 " " " "

"

228 - no info

"

229 ♀ no info

"

Ericson Ridge on Towhead Flat, Lake Co., Calif DB

15 Oct.

230 - no info

R. boylei

231 ♀ LDH, Hb, chrom, liver.

"

(remove feet)

Bear Creek Station, Lake Co., Calif. 2 mi

- 5 Oct. 232 - no info R. coylei
 233 - Karyotype, L.D. 45, 10. Liver.
 no stress calcine bone before. given.
 234 - no info "
 235 - Karyotype - 20, 20, liver R. coylei
 Remove net 2 + no guard sacrifice

1973

Calif.: Mendocino Co., 2 mi N. Redport

J. S. Sward

- 17 April 236 ♀ R. aurea ?

Calif.:

(RC Stephens + Zoo 105)

- 21 April 237 ♂ R. coylei
 238 ♂ "

Calif.: Lake Co., 2.7 mi N. of Little Square
Valley on Upper Lake - Lake Pillsbury Rd.

- 21 April 239 ♀ R. coylei

Calif.: Colusa Co., Mill Creek, Mill Creek

Camacho area, Mendocino Co. (Forest - riparian)

- 6 May 240 ♂ R. coylei
 241 ♀ "
 242 ♂ "
 243 ♂ "
 244 ♂ "
 245 ♂ "
 246 ♂ "

1973

May

Calif.: Colusa Co, Mill Creek, Mill Creek Campground,
Mendocino Nat'l Forest (upstream) cont

247 ♂

R. boylei

248 ♂

"

249 ♂

"

250 ♂

"

251 ♂

"

May

Calif.: Colusa Co, Mill Creek, Mill Creek
Campground, Mendocino Nat'l Forest
(downstream site 5)

252 ♂ adult. death

R. boylei

253 ♂ "

"

254 ♀ "

"

255 ♀ "

"

256 ♀ "

"

257 ♂ "

"

258 ♀ "

"

259 ♂ "

"

260 ♂

"

261 ♀

"

262 ♂

"

creek W of benchmark 5624 or east of Well
Ranch entrance on rd 16N44, Mendocino
Nat'l Forest, Colusa Co., Calif

5 May

263 ♀

R. boylei

ase, Susan M.
1973

catalogue

5

may

S Arnold, SS Sweet

264 - acid death

R. boylei

Calif: Trinity Co., Trinity Nat'l Forest, Hayfork,
Hayfork Creek. T2N R12W quad 10 elev ~2300

July

✓ 265 ♂

R. boylei

✓ 266 ♀

✓ 267 ♀

✓ 268 ♀

✓ 269 ♂

✓ 270 ♂

Calif: Trinity Co., Trinity Nat'l Forest,
Hayfork, Salt Creek T2N, R12W #36 elev 2400
and Peanut T1N R12W #12 elev 2449

July

271

frozen tadpole R. boylei
for electrophoresis

272

273

274

275

276

277

278

279

280

2, Susan M.
1973

catalogue

6

Calif: Trinity Co., Trinity Nat'l Forest,
Hayfork, Salt Creek (cont)

July

281	♂	adults	R. boylei
282	♂		
283	♀		
284	♂		
285	♀		
286	♀		
287	♂		
288	♂		

Calif: Trinity Co., Trinity Nat'l Forest, Philpot
Campgd, Philpot Creek TIN R12W #11 elev 2400'?

289	♂	R. boylei	
290	♂	R. boylei	
291	♀	acid. death	
292	♂	"	
293	♂	"	
294	♀	"	
295	♂	"	
296	♀	lg # small ovarian eggs - enlarged oviducts	"
297	♀		"

Calif: Colusa Co., Mill Creek cpgd, Mill
Creek, Mendocino Nat'l Forest

2 July

298	tad poles	↑ frozen for electrophoresis
299	R. boylei	
300		
301		
302		

ase, Susan M.
1973

Catalogue

7

Calif: Colusa Co., Mill Creek, Mill Creek
campgd, Mendocino Nat'l Forest

2 July(cont)

303

304



Calif: Nevada Co., Washington Creek,
Washington

5 July

305

♀

accid death

R. boylei

306

♀

"

307

♀

"

308

♀

"

309

♀

"

310

♀

"

Calif: Nevada Co., South Yuba River,
Washington

311

♂

R. boylei

312

♂

"

313

♀

"

314

♂

"

315

♀

"

316

♀

"

317

♂

"

Calif: Nevada Co., Rattlesnake Creek, Cisco

16 July

318

♀

R. muscosa

ae, Susan M
1973

Catalogue

8

Calif: Los Angeles Co., N. Fork San
Gabriel River

3 July

319

tads

Hyla californica
~~E. baylei~~
Caddisfly

320

321

322

323

324

325

326

327

328

Calif: Los Angeles Co., E. Fork San
Gabriel River (Williams Flat)

24 July

329

tads

Hyla californica
~~E. baylei~~
Caddisfly

330

331

332

333

334

335

336

337

338

339

340

341

342

Susan M.
1973

Catalogue

T

Calif: Los Angeles Co., W. Fork San
Gabriel River

24 July

343

tads

Hyla californica
~~R. boylei~~
C. daveana

344

345

346

347

348

349

....

350

Calif: Los Angeles Co., Rincon Sta., San
Gabriel River

24 July

351

tads

Hyla californica
~~R. boylei~~
C. daveana

352

353

354

355

356

357

358

359

360

all, Susan M.
1973

Catalogue

10

California: Nevada Co., Graniteville,
Poolman Creek, elev 5000-6400' T 18N R 11E quad 10

August

- 361 ♀ Rana muscosa
362 ♂
363 ♀
364 ♀
365 ♀
366 ♂
367 ♂
368 ♀
369 ♂ (w nuptial pad)
370 ♀ gravid

6 Oct

California: Tuolumne Co. (?), South St. Hwy 108
± 1/2 mi W. Sonora Pass, elev 9100' - J. Lynch

381 R. muscosa

13 Oct.

^{Monte}
California: Mendocino Co., Arroyo Seco
picnic gd in Los Padres Nat'l Forest,
just off G 16 to Carmel Valley

382 Rana catesbeiana

383

384

385

386

387

388

389

390

391

ae, S. M.
1973

catalogue

11

California: ^{Monterey} ~~Mendocino~~ Co., Arroyo Seco Picnic Gd in
Los Padres Nat'l Forest, just off G16 to Carmel Valley

Oct. (cont)

392 (♂)

R. catesbeiana

393 (♀)

ase, S. M.
1974

catalogue

12

California: (

) Gualala River

SS Sweet & Foo 165 class

394 ♂

R. boylii

California: Santa Barbara Co., Santa Cruz Isl.

Blay Canyon

(K. Yauer)

(June)

395 ♀

Hyla regilla

396 ♀

"

397 ♂

"

398 ♀

"

399 ♂

"

400 ♀

"

401 ♂

"

402 ♂

"

403 ♂

"

404 ♂

"

405 ♀

"

406 ♀

"

407 ♀

"

408 ♀

"

409 ♀

"

410 ♀

"

411 ♀

"

412 ♀

"

413 ♀

"

414 ♂

"

415 ♀

"

416 ♀

"

417 ♀?

"

California: Santa Barbara Co., Santa Cruz Island,
Prisoner's Harbor (K. Yaner)

(June)

418 ♂

H. regilla

419 ♂

"

420 ♂

"

California: Nevada Co., Sagehen Ck, ~ 3/2 - 3/4 mi
below point where road to Carpenter Ridge crosses
ck

5 July 1974

421 ♂

R. muscosa

California: Nevada Co., Spanish Mine Rd, outside
of Washington

6 July 1974

422 ♀

Gerrhonotus sp.

California: Alpine Co., pond in Big Mdw Campgd

22 July 1974

423 dead 2 days but in ice

Hyla regilla

424

"

425

"

426

"

427

"

428

"

429

"

430

"

431

"

California: Alpine Co., Upper Mosquito Lake, 1st
on right, Hwy 4 heading east ~ 8050'

24 July 1974

432

Rana muscosa

433

"

434

"

435

"

California: Alpine Co., Upper Mosquito Lake, 1st on
right, Hwy 4 heading east ~8050' (cont)

July (cont)

436 ♂ R. muscosa

437 ♂ "

438 ♂ "

439 ♀ "

440 ♀ "

441 ♀ "

- 442 (tad) "

- 443 (tad) Hyla regilla

California: Alpine Co., lower Mosquito Lake, 2nd
on right, Hwy 4, east elev ~8050'

24 July 1974

444 ♀ R. muscosa

445 ♂ "

446 ♂ "

447 ♂ "

448 ♀ "

449 ♀ "

450 ♂ "

451 ♂ "

452 ♀ "

453 ♀ "

California: El Dorado Co.,

J. Stewart

454 Hyla regilla

455 "

456 "

California: Trinity Co., Philpot Ck, below bridge
at Philpot Ck campgd outside Hayfork elev 2400'

2 August

457	♂	<u>Rana boylei</u>
458	♀	"
459	♂	"
460	♂	"
461	♂	"
462	♂	"
463	♂	"
464	♂	"
465	♂	"
466	♂	"

California: Trinity Co., Philpot Ck., above Philpot
Campgd, outside Hayfork elev 2400'

2 August

467	♂	<u>R. boylei</u>
468	♂	"
469	♀	"
470	♂	"
471	♂	"
472	♂	"
473	♂	"

~~California~~ California: Trinity Co., unnamed tributary that
flows into Philpot Ck at Philpot Campgd. elev 2400'

2 August

474	♂	} may have been dead over 12 hrs.	<u>R. boylei</u>
475	♂		"
476	♂		"
477	♀		"
478	♂		"

se, S.M.
1974

Catalogue

16

California: Trinity Co., unnamed tributary that flows into
Philpot Cr at Philpot Campgd, elev 2400' (cont)

2 August

479 ♀

R. boylei

480 ♀

"

481 ♀

"

482 ♀

"

483 ♀

"

California: Colusa Co., Mill Cr at Fout Springs campgd-
10 mi outside Stanford

3 August

484 ♀

R. boylei

485 ♀

dead ~ 1/2 hr before on ice.

"

486 ♀

"

California: Nevada Co., Sagenpond

14 July

487 (had - die before metam.)

Hyla regilla ♂

488 ♀

"

489 ♀

"

490 ♀

"

491 ♀

"

492 ♀

"

493 ♀

"

California: San Diego Co., Ojai Reservoir

7

Bob Murphy

494 ♀

Hyla regilla

495 ♀

496 ♀

497 ♂

498 ♀

499 ♂

W. S. M.
1974

Catalogue

17

California: Tuolumne Co., Elizabeth Lake, Yosemite
Nat'l Park, 3.8 mi N Tuolumne Mtns cpd 9580'

Aug 1974

500 dead (♂ on ice) sex days. R. muscosa

501 dead (♂ on ice) ~ 24 hrs

502 ♀

503 ♀

504 ♂

505

506

507

508

509

California: Tuolumne Co., Dog Lake, Yosemite Nat'l
Park, ~1.5 mi from Lambert Dome parking lot in
Tuolumne Mtns. ~ 9240'

Aug 1974

510 ♀ { 1st of 2 } R. muscosa

511 ♀

512

513

514

515

516

517

518

519

California: Mono Co (?), small pond across from
Tioga Lake

17 Aug 1974

520 tad

1

S.M.
1974

Catalogue

18

California: El Dorado Co. (?), House Lake,

Desolation Wilderness

DB:MH Wake

Aug 1974

521 ♂

R. muscosa

522

"

523

"

524

"

525

"

California: El Dorado Co., Smith Lake, Desolation
Wilderness

DB:MH Wake

Aug 1974

526 ♀

R. muscosa

California: Shasta Co., Emerald Lake, Lassen Volcanic
Nat. Park 8160'

M & J. Feder

16 Aug 1974

527 ♂

Rana cascadae

528 ♀

"

California: Shasta Co., 1/4 mi N. Crumlaugh Lake
beside stream ~ 7225'

M & J. Feder

16 Aug 1974

529 ♀

R. cascadae

California: Fresno Co., Kaiser Pass (B&D. Csuti)

2 Sept 1974

530

R. muscosa

531

"

California: Alpine Co., Little Frog Lake #1 elev 9000'

R. & A. Wilson

R. muscosa

29 Aug

532

California: Alpine Co., Little Frog Lake #2 elev 9000'

R. & A. Wilson

R. muscosa

30 Aug

533

Case, Sm
1974

catalog

19

California: Alpine Co, Frog Lake, ~ 1 mi from Hwy 88
on trail to L. Winnemucca

Sept

534

R. muscosa

535

Hyla regilla

California: Nevada Co, Sagehen Creek at

Stat.

M. Bronson

19 Sept

536 ♂

R. muscosa

(From R. malson)

R-t-1 (537) (tissues only) R. temporaria

R-t-2 (538)

"

R-t-3 (539)

"

R-l-1 (540)

R. limnoides

2 (541)

"

3 (542)

4 (543)

"

5 (544)

"

6 (545)

"

Sept

(Sycamore Canyon - see notes of J. L. Patton)

5358 extra liver

R. sierrae

5359

"

5360

"

5361

"

5362

"

5363

"

5364

"

5365

"

5366

"

5367

"

ase, S.M.
1974

catalogue

20

(Sycamore Canyon - J.L. Patton)

3 Sept (cont)

5368

R. tarahumarae

5369

"

5370

"

California: Inyo Co., Owens Valley

Sept 1st wk
Oct.

County: Inyo

J.W. Wright

546 ♀

R. muscosa

547

548

549

550

F 551 tads

(?)

F 552

"

F 553

"

(Dec)

Mexico!

S.B. Ruth

554

(*Leptodaetylus*)

Mexico

"

555

"

556

557

558

559

Mexico

K 560

Pachymedusa

S.B. Ruth
dachnicolor (?)

K 561

"

K 562 ♀

"

Case, S. M.
1974

catalog

21

Nov.) 1974

Mexico:

- K563 - (lg green w black spots) ♀ # eggs, diff size
cloud forest along Mex. hwy 175 bet Vista Hermosa & La Esperanza
Mexico: Oaxaca, elev 1625 Plectrohyla pycnochila ? Wake, et al.
-
- K564 ♀ } small pale green, eyemask, no tympanum? Hyla arborescens
565 } (??) dens
- K566 ♀ small brown patterned - Eleutherodactylus (?)
Mexico: N slope Cerro Pelón, along Mex Hwy 175, 52-54 km
(by rd) N Huilatar, Oaxaca (2675-2850m)
- K567 ♂ - lg brown Hyla bistincta
- K568 ♀ lg brown lg eggs Hyla bistincta
- K569 ♂ } small bright green w bronze tympanum. Hyla hazelae
K570 ♂ } Hyla hazelae

July

Calif.: San Joaquin Co. (7) Corral Hollow at
Castle Rock

p ~~550~~ (571)

R. aurora tad

Calif.: Alameda Co, Mines Rd, ~ 15 mi from
Tesla Rd turnoff, Livermore

p ~~551~~ (572)

R. boylei tad

p ~~552~~ (573)

p ~~553~~ (574)

p ~~554~~ (575)

p ~~555~~ (576)

p ~~556~~ (577)

p ~~557~~ (578)

in screw
cup vials

July

Calif.: Mendocino Co., Elk Ck (just before
Greenwood Ck. n. of Manchester on Hwy 1)

~~558~~ (579)

R. boylei tad

~~559~~ (580)

dead 16 days but on ice

~~560~~ (581)

~~561~~ (582)

~~562~~ (583)

~~563~~ (584)

~~564~~ (585)

~~565~~ (586)

~~566~~ (587)

~~567~~ (588)

~~568~~ (589)

~~569~~ (590)

alive

~~570~~ (591)

~~571~~ (592)

in screw
cup vials

ase, S.M.
1975

catalog

23

California: Co., Navajo Riv. in
Paul M. Dimmick State Park

25 July

~~572~~ (593)

R. ratisbeiana (tad)

California: Siskiyou Co., Colby Meadow, McCloud R.
elev.

27 July

~~573~~ (594) ♂

R. cascadae

~~574~~ (595) ♀

~~575~~ (596) ♀

California: Modoc Co., Stough (Stowe) Reservoir
campgd elev.

28 July

~~576~~ (597)

(tads) Hyla regilla

California: Modoc Co., Lily Lake elev

28 July

~~577~~ (598)

(tad) Hyla regilla

California: Lassen Co., Lassen Volcanic

Nat'l Park, Kings Creek Meadows elev ~ 7300'

31 July

~~578~~ (599) ♀

R. cascadae

~~579~~ (600) ♀

~~580~~ (601) + tad

~~581~~ (602) ♂

~~582~~ (603) ♂

~~583~~ (604) juv.

~~584~~ (605) juv.

California: Lassen Co., Lassen Volcanic Nat'l
Park, Dersch Mdw, just N of Ranger
station elev.

1 August

~~585~~ (606)

R. cascadae

~~586~~ (607) ♂

↓

California: Lassen Co., Lassen Volcanic Natl
Park, Dersel Mdw just N of Ranger
Station, elev.

August

~~587~~ (608) juv.

R. cascadae

~~588~~ (609) " (608)

~~589~~ (610) " (608)

~~590~~ (611) " (608)

2 1/2 mi S. Hwy 12 on Elk meadows Rd.,

Montana: Missoula Co., Maryb Frog Pond 5720'

from Lisa Wishard

5 August.

612 ♀

R. pretiosa

613

614

615

616

617

618

619

620

621

622

Missoula Co.,

Montana: Grant Co., Basin, 1/4 mi N Point Six on Point Six
Rd. (from Lisa Wishard) 7500'

15 August.

623

R. pretiosa

624

625

626

627

628

629

ae, S.M.
1975

catalog

25

Montana: Grant's Ck (from Lisa Wishard)

5 Aug. (cont)

630

R. pretiosa

631

632

633

22 Aug.

Oregon: Linn Co., along hiwy 58, 14 mi ESE Oakridge

634 ♂ (13528 SSS)

R. cascadae

Calif: Trinity Co/Trinity W. Idemess Lk.

Union Ck trail T8N R9W sec 22

20 Aug.

635

R. cascadae

636

637

638

639

640

3 Sept.

Calif: Tuolumne Co., Siesta Lake, Yosemite NP

641 tad ()

H. regilla

4 Sept.

California: Tuolumne Co., Lukens Lake Yosemite NP

642

Rana muscosa

643

1- 644 tad

1- 645 "

1- 646 "

1- 647 "

1- 648 "

4 Sept

Calif: Tuolumne Co., creek at fork of trail to Lukens/Ten Lakes YNP

649

R. muscosa

Case, S.M.
1975

Catalogue

26

California: El Dorado Co., Tamarack Lake T12N R17E
elev. ~ 8000 ft.

4 Sept

650

R. muscosa

651

652

653

654



California: Amador Co., Bear River Reservoir

5 July 1975

655

R. muscosa

California: L.A. Co., Bear Ck

21 Sept 1975

656

H. cadaverina

657

658

659

660

Panama: Chiriqui Province, 4 km N & 3 1/2 km W (by
air) jct hwy 11 & 13 in El Hato del Volcan (J. Hanken)

30 Sept 1975

661 (P87)

Rana warszewitschii

California: Co., Navarro Riv., ~4 mi east
from junct 101+128

E. Gold

Sept 1975

662

R. boylei

663

California: El Dorado Co., Smith Lake just S.

Desolation Wilderness J. Hanken

Sept 75

664

R. muscosa

665

we, S.M.
1975
1976

catalog

27

Oct
Sept 1975

California: Alameda Co., Inspiration Pt. T. Pappenfuss
666 (died before could dissect) R. aurora

California: Alameda Co., on rd from Tilden to
Buena Vista

Oct 1975

667 (eggs - most released)

Hyla regilla

3 Nov

California: ~~Hastings~~ ^{Monterey} Co.; Bloomquist Pond near Hastings Reservoir.
668 R. aurora

JAN 1976

Montana? ~~Asaphus~~ (from C. Daugherty)

669

Asaphus truei

March 1976

California: Sonoma Co., Skagg's Springs (S. Roth)

670

R. aurora

California: Monterey Co., Bloomquist Pond near
Hastings Reservation

22 March 1976

671

R. aurora

California: Monterey Co., McCluskey Slough,
1.5 air miles N Moss Landing (S. Sweet)

24 March 76

672

R. aurora

673

"

16 March 1976

California: Humboldt Co., 9 mi E Blue Lake (town)
and 30 mi W Willow Ck, hwy 299 (S. Sweet)

674

R. aurora

675

"

676

"

677

"

678

"

use, S.M.
1976

catalog

28

California: Humboldt Co, 9 mi E Blue Lake (town)
and 30 mi W Willow Ck, hwy 299

March 76 (cont)

679

♀

R. aurora

680

♀

"

681

♀

"

682

♀

"

683

♂

"

Case, S. M.

1972-1975

Journal

Calif.

Case, Susan M.
1972

Journal

Suolumne Co, Calif

July 8

Tom Buckholtz & I made the trip today in search of the foothill yellowlegged frog? to generally look over the area for further field work. We stopped at a number of places.

① Moccasin Creek - I at the State Fish Hatchery just off Rte 120. The main portion of the creek is too rapid flowing for R. boylei but one of the side branches looked possible. Riparian situation, ~1000'. Spent from 8:45 AM → 10:30 AM. walking down side branch of creek. Nothing seen or heard (except birds). Dom. veg. along bank = blackberries, not quite ripe yet.

② Middle Fork Suolumne River in vicinity of Oakland Recreation Camp - across road from Monroe's (?) Camping site - where were sev. cabins etc. Spent ~ 11:30 AM → 1:30 P.M. walking upstream. Made one capture, heard a couple more young individuals. Since it was really warm we decided to eat lunch, go up to Mather and look around and come back to this site later in the day.

③ Mather - Birch Lake - (posted) - lot of campers swimming. Just walked

se, Susan M.
1972

Journal

2

dy 8 (cont.)

Tuolumne Co., Calif.

around. to get feel for habitat. Lot of aquatic vegetation. Good bullfrog population. Many tadpoles seen.

Then took road from Mather to Evergreen Lodge. ~.1 mi from Mather on right is Old Mather Road. Follow for ~

.5 mi to Mud Lake - most apt description - has started to dry up and H₂O ~ 1-3 inches deep. Heavily overgrown, lot of cattails & huge bullfrog (Rana catesbeiana) population.

No Rana boylei seen but people who live there say they do have them so it needs more investigation when I have more time.

Returned to the middle fork of Tuolumne ~ 4:30 P.M. - walked upstream again til ~ 6:30 P.M. (to then went back again). Captured 1 Rana boylei and sited several others altho were unable to capture them.

Also seen:

1. Middle Fork Tuolumne:

Thamnophis caucki (2)

Sceloporus sp. (1)

Rana boylei (several)

2. Mather-Birch & Mud Lake

Thamnophis caucki (1)

Coluber constrictor (1)

Clemmys marmorata (1)

Rana catesbeiana (many)

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1972

Journal

3

Tuolumne Co., Calif

ly 8 (cont).

other veg. found along middle fork of
Tuolumne River which identified
later: incense cedar & alder.

Location references:

1) Moccasin Creek-

topographic map - Sonoro quadrangle 15 min.

#N3745-W12015/15. 1948. AMS 1959 IV-Series V795

T. 15. ; R. 15E.

sector 34 - midpt of N boundary

sect 27 - lower left quarter

elev. ~ 800 ft.

2) ^{near middle fork} ~~Oakland Recreat.~~ Camp - med fork Tuolumne R.

topo. map - Tuolumne quad. - 15 min.

#N3745-W12000/15. AMS 1959 I-Series V795

T. 15. ; R. 18E

sector 28 - upper half.

elev. ~ 2800 ft.

3) Mather - Birch Lake / Mud Lake

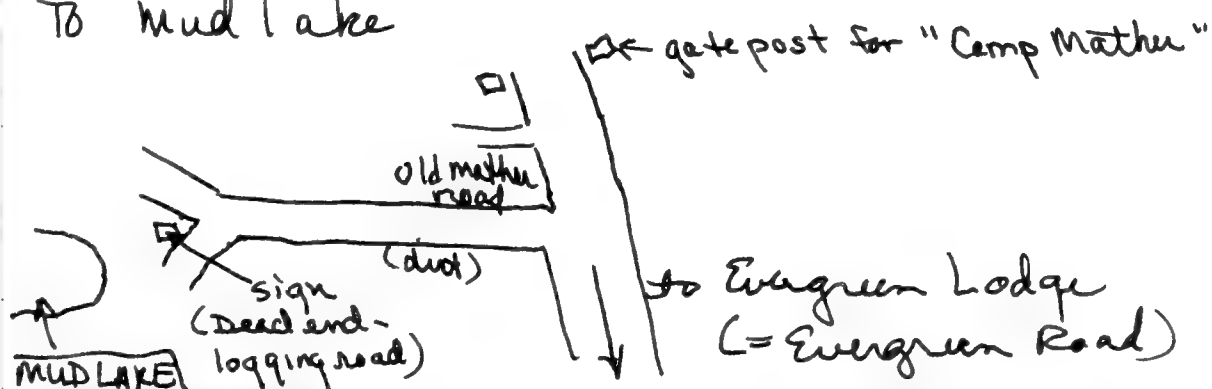
topo map - Lake Eleanor quad. - 15 min.

N3745-W11945/15. 1956

T. 15. ; R. 19E.

sector 2 - lower third of.

To Mud Lake



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1972

Journal.

4

Trip to Yosemite Nat'l Park, Tuolumne Co, Calif.

July 15-~~16~~

Left w state car ~ 4:00 A.M. w Tom Buckholtz and Graham Chalmers. took rte 13 out of Berkeley onto rte 580 toward Livermore & Blackton and took rte 120. Stopped at Oakdale at 6:10 A.M. for gas. continue follow rte 120 for ~ miles til reach turnoff for Mather & Cherry Lake. Stop at Brown Middlefork Camp on middlefork of Tuolumne River at ~ 8:30 A.M. to look for Rana boylei, (see sp. accts) walked upstream ~ 1/4 mi & back down. finished by ~ 11:00 A.M. after having caught 10 individuals and dropped field notes in H₂O. Saw 2 Thamnophis couchii while there. Ate lunch & headed for Yosemite, Arrived in Yosemite Valley ~ 12:30 P.M. after entering via Big Oak entrance. After looking around in the village store we went over to the Visitor's Center where I spent ~ 1-1/2 hrs filling out employment forms which were needed for my collecting permit. I know have an official title even - Resources Management Assistant. After getting gas & replenishing our

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1972

Journal

5-

July 15 - ~~cont~~ (cont) trip to Yosemite Nat'l Park, Tuolumne Co., Calif.
H₂O supply, we headed back for Tuolumne Meadows which is back on rte 120.

On our way we stopped at Siesta Lake, one of the places Sue Turner told me they could be found. Since it's just off the road & we didn't want to look conspicuous we just took a couple of plastic bags, our only intention being to look and. Walked around the lake counterclockwise and lake, saw a few tadpoles: on E (?) & sunniest edge of lake scared ~ 10 indiv off bank to in ~ 5 min. Graham caught 2 by hand - were Rana muscosa (as expected) Noted that venters much more fully covered to yellow than R. boylei. From there went up thru Tuolumne Meadows, past the T.M. High Sierra Camp to the Dana Fork of the Tuolumne River where caught two. Had begun sprinkling by this time.

Headed back towards Tuol. Mds. Drove back to ranger station near main camp.

Ate in car for was heavily raining.

By time had finished, rain had stopped.

After changing clothes we went ~ 300 yds E from ranger station & took Left outdirt road which has parking lot on

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1972

Journal

6

July 15 (cont)

trip to Yosemite Natl Park, Tuolumne Co, Calif.

right \div road heads into stables: Sierra Club parking lot. D. didn't go to end of road but drove off ^{parked} & went down to river.

~ 7:00 - 7:30 P.M. - getting bit dark. River

~ 12 - 15' wide but shallow. Caught

1 R. muscosa but that was all.

Went back to main road \div went down

~ $8\frac{1}{2}$ mi ~~back~~ back W to where river

came close to road: crossed it. Walked

along bank ~ 15 min - no sign of frogs.

By now was ~ 8:00 - 8:15 P.M. rapidly,

getting dark. Went back to 'Sierra Club'

but road just above dirt road. Pulled

off road leading to stable. Laid out

sleeping bags ~ 500 yds off road near

field in which had seen 3 deer ~ 10 min before.

Awoke ~ 5:30 A.M. Chilly. Left by 6:00 A.M.

Stopped for ~ 10 min at Cathedral Ck.

to see if any frogs might be out. May

still be too cold. Continued ~~down~~ ^{driving W}, eating

breakfast as we went. Stopped at Sesta

Lake but again no luck. Wonder where the

frogs go at night? Continued home to

Berkeley, arriving ~ 11:30 A.M.

As put animal away, esp. R. muscosa

note the gt diff in degree of venter coloration

July 16

se, Susan M.
1972

Journal

7

July 16 (cont)

trip to Yosemite Nat'l Park, Tuolumne Co., Calif.

Siesta Lake indiv. both relatively light while that from Tuolumne meadows is very yellow, almost gold. Wonder how much indiv. variation there is?

Also note that most productive collecting done in early-mid morning (~9-11 A.M.) and afternoon.

(Siesta Lake, at 3:30 P.M., would have been very productive if we had meant to do serious collecting).

Wonder if both are primarily diurnal?

Of course haven't tried ~~to~~ night collecting of R. boylei so don't know activity of. If diurnal, are periods of activity defined by amt of light or T°? Would need to do good study of both - if only had time.

Locality topo map ref:

1. Monroe Middlefork Camp, Middle Fork Tuolumne River, Tuolumne Co., Calif.

Tuol. quad-15 min. #D3745-W12000|15.

AMS 1959 I-Series V 795

T. 1 S.; R. 18 E, upper half* sector 28

elev. ~ 2800 ft. < 10 animals

Base, Susan M.
1972

Journal

8

dy 16 (cont).

trip to Yosemite Nat'l Park, Tuolumne Co., Calif

2. Siesta Lake

Hetch Hetchy Res., Calif. ~~top~~ quad. 15 min.

#N3745-W11930|15. 1952. AMS 2059 I-Series V795

T. 1 S; R. 21 E, lower quart. ^{*}, sectors 15, 16

elev. ~ 7930' - 2 animals

3. Cathedral Creek.

Tuol. Meadows. quad. 15 min.

#N3745-W11915|15. 1952 AMS 2159 IV-Series V795

T. 1 S, R. 23 E, lower ~~to~~ quart. ^{*}, sect 2

elev. ~ 8400' no animals

4. Tuolumne Meadows

Tuol. Meadows quad 15 min

#N3745-W11915|15. 1952. AMS 2159 ~~IV~~ Series V795

T. 1 S, R. 24 E, lower quart ^{*} sector 5

elev ~ 8500-8600' 1 animal.

5. Dana Fork of Tuolumne R.

Tuol. Meadows quad. , 15 min.

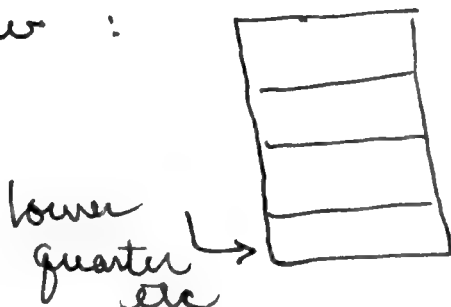
#N3745-W11915|15. 1952 AMS 2159 ~~IV~~ Series V795

T. 1 S. R 24 E, lower third, ^{*} sect. 2

elev ~ 9100-9200' 2 animals

*

sect. div :



ase, Susan M.
1972

Journal

9

trip to Yosemite Nat'l Park, Tuolumne Co, Calif.

July 16 (cont).

Habitat notes:

1. Monroe Middlefork Camp - as described previously (July 8)
2. Liesta Lake - rel. shallow lake w lot of grass () growing along borders. Some areas of edge soggy as if lake level has been dropping. Lot of lodgepole pine. ^{bottom sandy.}
3. Tuolumne Meadows area - mostly lodgepole pine to area rel. flat, grassy to lot of rock. Pine not in dense stands. River up along Dana Fork is rocky; banks ~~are~~ vertical, ~ 6 in. to grassy areas or lge boulders. Tuolumne River which runs thru meadows is 12-15 ft ~~across~~ wide, ~ 2"-12" deep. Some places rapid. Bottom of med/small rocks. One of tributaries in main meadow ~ 24 ft wide; banks rel. steep, grassy. ~ 2 in - 3 ft deep. Rel. slow.

Sierra Club Sleeping Lot, Tuolumne Meadows, Yosemite Nat'l Park, Tuolumne Co, Calif. elev. 8600'

July 22

Graham, Tom & I are once again in Yosemite Nat'l Park. It's about 10:30 AM & we are looking over, in daytime, the area

1972

Journal

10

ly 22 (cont)

Sierra Club parking lot, Tuolumne Meadows, Yosemite Nat'l Park, Tuolumne Co, Calif elev 8000'

where we captured one Lana muscosa last wk. River is ~ 12-15' across but no more than 3-4' deep. Lot of (small) fish - no frog seen. However is lot of human activity there. see journal for July 16 (p. 8) for topo map ref. also for habitat.

tributary of Dana Fork of Tuolumne R. which crosses rte 120, Yosemite Nat'l Park, Tuolumne Co, Calif elev 9020' ~ 11:00 A.M.

small stream, ~ 2'-3' wide, shallow (< 1') but ^{slightly} steep to lge boulders. Not much veg. on bank (ie grasses). Dom. tree = lodgepole pine. Because of lge boulders was hard to follow. Went up ~ ~~1/4~~ 1/4 mi (maybe) but nothing seen or heard.

~~Tuolumne Meadows High Sierra Camp, Yosemite~~

topo map ref: Tuol. Meadows quad. 15'

T. 1.S. R. 24E. Sect. 3.

Tuolumne Meadows High Sierra Camp, Yosemite Nat'l Park, Tuolumne Co, Calif. elev. ~ 8700'

arrived ~ 12:00 noon & ate lunch before proceeding. Started out ~ 12:30 P.M. ~ walked down to river ~ 200-300 yds from road. Walked upstream away - met a fisher-

1972

Journal

11

by 22 (cont)

Tuolumne Meadows High Sierra Camp, Yosemite Nat'l Park, Tuolumne Co., Calif. elev ~ 8700'
man & his wife. River altho not fast in many places is rather wide → up to 12-15 ft but is not very deep. Large boulders or sheer rock banks. Most grassy banks are rather steep which may not be good for frogs. Also walked back downstream always until came to rapids. Stopped & returned to car at that pt. No frogs seen, heard or scared.

Topo map ref:

Tuolumne Meadows quad. N3745-W11915/15. 1956.

AMS 2159 IV - Series V 795

T. 15 R. 24E. sector 4 (lower half).

Budd Creek, Tuolumne Meadows, Yosemite Nat'l Park, Tuolumne Co., Calif. elev ~ 8600'

Stopped ~ 2:00 P.M. where Creek crosses road - followed it into meadow toward Tuolumne River. meadows are open w no shade along creek border. Banks in most places are ~~to~~ very steep & very grassy, few rocks & the stream bottom is rocky (small rocks). Lot of fish - largest ~ 5-6 inches. Walked up to where it joins Tuolumne River but saw

Susan M.
1972

Journal

12

by 52 (cont).

Budd Creek, Tuolumne Meadows, Yosemite Nat'l Park, Tuolumne Co, Calif. elev. ~ 8600'
nothing. Cut back across meadow - checked small pond which looks like it is evaporating - only saw blackbirds(?) nearby. Crossed road & walked S (upstream) for a short way. More tree cover but a bit rapid. Also lot of campers and.

topo map ref:

Tuolumne Meadows quad. (for # of series, see above)

T. 15. R. 24E. sector 6. lower quarter part of sect. 7

Cathedral Creek, Yosemite Nat'l Park, Tuolumne Co., Calif. elev. ~ 8200'

3:30 - 4:30 P.M. Stopped where crosses road & walked downstream. Caught 3 individuals + 1 juvenile which was released. For details see sp. acct. of E. mucosa.

topo map ref.

Tuolumne Meadows quad.

T. 15 R. 23E. sectors 2 & 3 (lower 1/3 of each).

Susta Lake, Yosemite Nat'l Park, Tuolumne Co., Calif. elev. ~ 8000 ft.

arrived here ~ 5:00 P.M. Bank where had seen indiv. first time still sunny. Walked around there & caught

asc. Susan M.
1972

Journal

13

Siesta Lake, Yosemite Nat'l Park, Tuolumne Co, Calif. elev ~ 8000 ft.

July 22 (cont).

2 of the 3 we saw as well as a dead tadpole (See sp. accts R. muscosa)

habitat - see journal July 16 (p. 9)

Topo map ref. see journal July 16 (p. 8)

From here we drove down to the Crane Flat ranger station. ~ .2 mi (or less) beyond Sequoia (v) Auto Nature Trail we pulled off road and ate supper ~ 6:30-7:30 P.M. Made ~~camp~~ camp in fairly open grove of ~~ponderosa~~ (Jeffrey?) pine. Slept 'til ~ 8:00 A.M. next day. Am wondering now about why we saw so few animals at Siesta Lake compared with the 1st afternoon we were there. T° (air) was cooler. Could it be temp. effect? ~~But~~ Or are they that highly diurnal? Still lot of tadpoles seen.

Tuolumne Grove, Yosemite Nat'l Park, Tuolumne Co, Calif elev. ~ 5200'

July 23

got here at 8:30 A.M. After investigating "Tunnel Tree" (impressive is an understatement) we went down ~ 100' of relatively steep bank -

Susan M.
1972

Journal

14

Tuolumne Grove, Yosemite Nat'l Park,
Tuolumne Co, Calif. elev. ~5200'

July 23 (cont)

lot of vegetation / fallen logs. Both ^{yellow} ~~Ponderosa~~ (Jeffrey?) pine & ~~to~~ redwood present. Stream relatively thickly overgrown - narrow, shallow to rocks. ~~was not~~ Did not look farther.

Topo map ref:

Lake Eleanor quad. N 3745-W 11945/15. 1956
T. 2 S. R. 20 E. sect 7 lower quarter.

North Crane Creek, Yosemite Nat'l Park,
Tuolumne Co, Calif. elev ~4600'

Stopped at picnic area, ~ 9:00 A.M.
walked downstream - lot of fallen logs -
lot of "shrubby" undergrowth esp.
along stream bank which made it
hard to get to at times. Walked
perhaps 1/4 mi downstream. Stream
only 4" wide maximum & 2-3' deep.
Rocks not look too large. Bottom
in small rocks. Habitat looks right
but nothing seems to be here. Too
early? Returned to picnic area
& went a short distance upstream
but without any luck. Wonder
if would be R. boylei or R. muscosa
here? Topo map ref: as above. T. 2 S. R. ~~20 E~~ 19 E. 196
sect. 2.

Susan M.
1972

Journal

15

Hazel Green Creek, Yosemite Nat'l Park,
Tuolumne Co, Calif elev ~ 4400'

23 (cont.)

~ 10 min away from last site. Is now
~ 10 A.M. walked downstream. is more
heavily overgrown than last. Did
not try to follow it very far.

Topo map ref: same as last site.
Hodgdon Ranch, Yosemite Nat'l Park,
Tuolumne Co, Calif elev ~ 45-75'

~ 10:30 A.M. Deserted house & large
open meadow to left. Stream crosses
road from meadow into pine forest.
Can't find stream in meadow except
where is ~~cut~~ "dam" behind
small pool. Heavily overgrown w/
grass. On other side of road is
also very heavily overgrown w/
tall grass on rather steep banks.
Makes difficult to get to.

Graham thought he saw something
jump into one of the pools but
we were unable to see anything;
either then or on our return.

Didn't walk much farther downstream
for habitat not look good.

Topo map: Lake Eleanor quad (as above)
T. 2 S. R. 19 E. sect 3. near N border.

Susan M.
1972

Journal

16

p. 23 (cont.)

Mud Lake, Inyo County, Calif. elev. ~4500'

Left Yosemite Nat'l Park ~ 11:30 A.M.
drove up here (see July 8th journal).
Again walked around lake to see if there is
more than Rana catesbeiana which
again is all we saw as well as one
Thamnophis couchii. Lake may be
a bit drier than 9 weeks ago).

Saw several "dehydrated" frogs
in drier mud on edge. Both
large. Hind legs had been ~~beaten~~
by something.

Drove to Mather (~.5 mi) from
lake where got a bit of food &
Sunday paper. Ate lunch & headed
back down Evergreen Road towards
etc 120. topo map - see journal July 8 (p 3)

Middle fork of Inyo River, Inyo County,
Calif., elev. ~4400 - 4500' ~ 2:00 P.M.

Think road may be changed a bit. On
way down Evergreen Rd from Mather
Inyo River (middle fork) crosses
road twice, which is not indicated
on topo map. We stopped someplace
North of Middlefork Campground by
a one lane bridge. ~ 2:00 P.M.

Walked downstream. is sunny, relatively

Susan M.
1972

Journal

17

middle fork of Tuolumne River, Tuolumne
Co., Calif. elev. ~4400' - 4500'

423(cont)

wide (12-15') & rather deep (up to 4') in
some places. Lot of large boulders &
bank in some places is sloping
rock w/ no vegetation. Number of
people and so walked back. Just
below bridge (on right hand side if
facing S) is small tributary.

Walked up a ways. is shallow, narrow.
One frog spotted but got away (perhaps
we were too tired?). Not sure if was
R. boylei or R. muscosa. Stream seems to
be in "steps" w/ relatively open
areas w/ gentle banks, some grass &
smallish rocks & areas of larger
rocks &/or fallen logs and thick
vegetation growth. Is particular
plant which haven't seen before



(or something)

took sample for later identification:

Walked perhaps a 1/4 mi or less upstream.
Several were heard to jump into H₂O

Susan M.
1972

Journal

18

middle fork of Tuolumne River, Tuolumne Co,
Calif. elev ~ 4400' - 4500'

23 (cont).

and places marked to return to later.
Went as far as beginning of private
ranch/farm (could see where gate
was on road for cattle). Met 2
cows there. Most of places we
returned to which had been marked
saw no evid. of frogs. In one place
did find juvenile which was released.
Looked like Lana saylei but am not
sure. Would like to return here.

Topo map ref.: Lake Eleanor (as above)

T. 1 S. R. 19 E. either sect 15 upper right

or sect 10 lower middle.

(tributary not shown)

Middlefork Campground, Tuolumne Co, Calif elev ~ 4385'

waded upstream but is very wide
(→ 20') shallowest (→ 4') & rocky.

Campsite up to ~ 100 yds from road then
barbed wire (even across river!) indicating
private property. Waded downstream
sev. hundred yds but still too
wide & far to many people. ~ 3:00 P.M.
left for home.

Topo map: Lake Eleanor quad (as above)

T. 1 S R. 19 E sect. 15 - upper 1/3,

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1972

Journal

19

July 23 (cont).

Middlefork Campground, Tuolumne Co, Calif elev 4385

arrived in Berkeley ~ 7:30 P.M.

general rte of travel:

Berkeley → rte 13 → rte 580 for ~~Stockton~~ Hayward/Stockton

Just after Tracy, get onto ^{rte} 205 for Manteca.

and onto Rte 120. In Oakdale is union

of rte 120 & ~~108~~ 108. Follow til 108 joins

rte 49. Continue ~~on~~ ^{rte} 120 thru Chinese

Camp Graveland, Buck Meadows.

Monroe's Middlefork Camp is turnoff

is few mi. past Buck Meadows

on 120 turnoff for Mather & Cherry Lake*

(see later diagram). If not wish

to go there continue on rte 120.

~ 1 mi before enter Yosemite Nat'l

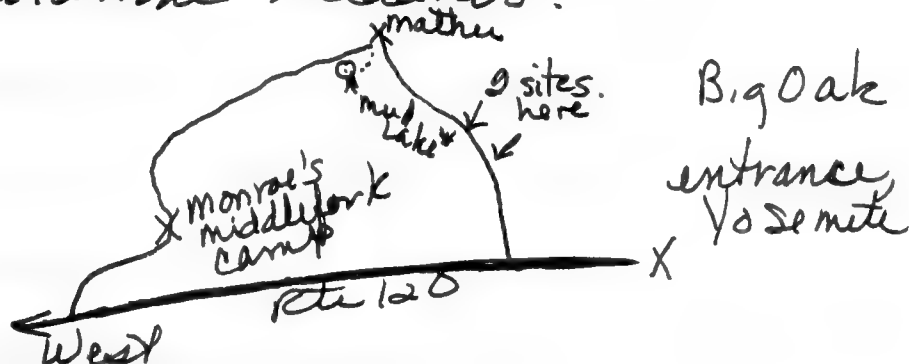
Park (on left?) is turnoff for Evergreen

Road which also leads to Mather

& where sites of July 23rd are found.

Once in Yosemite Nat'l Park follow

rte 120 to Tuolumne Meadows.



* not this far. See Journal
for July 8 (p 3) for map

Redwood Creek and Dry Creek, Napa Co, Calif.

15- Started out from Berkeley ~ 12 noon
w my roommates Helen & Chiu Mei Hu.

Took rte 17 + 80 'til turnoff for
rte 12. Drove into Rockville &
decided we really didn't know
where we were so asked. Went
back onto rte 80 and took
the exit to Napa for rte 12.

Rte 12 joins rte 29 which
we followed thru Napa
to Jefferson St. Turn N.
onto Jefferson to W. Trancas Rd
which leads to Redwood Rd.
and Dry Creek Rd.

Took Redwood Rd. towards
Christian Brothers Winery. Stopped
on side of road to see what
Redwood Creek was like. There
has been much rain recently
and it is very muddy. Did
catch one juvenile (see sp. acct).
Did begin to shower lightly
before we left there. No other
frogs were seen.

Continued up Redwood Rd.
to the turnoff to the Christian

Susan M.
1972

Journal

21

Redwood Creek and Dry Creek, Napa Co., Calif.

X. 15 (cont)

Brothers winery. Turned around & went out Dry Creek Rd. Lower part (nearer Napa) is also very muddy. Ran into heavy rainstorm which lasted ~ 15 min.

Found a number of streams that looked like good habitat and were clear. Walked ~ 100 yds of one but saw nothing.

Will return tomorrow for more extensive searching. After that returned home via

Rte 12-29-121 → 12-29 → 37 → 80+17.

Dry Creek, Dry Creek Rd, Napa Co., Calif

X. 16

~ 8:15 A.M. Stopped ~ 2-3 mi from junction Dry Creek Rd & Redwood Rd.

Tom Buckholtz is w me today. Walked for ~ 1 hr (~ .25-.35 mi?) downstream.

One small individual scared off bank.

Unable to find again upon return.

Continue up Dry Ck Rd to just beyond junction w Oakville Rd. Walked

~ .3 mi. of Dry Creek. Small, unnamed stream flows into it there but on private land. Lot of Dry Creek is on poated land which makes it difficult

ase, Susan M.
1972

Journal

32

X. 16 (cont)

Dry Creek, Dry Creek Rd, Napa Co, Calif
to go any distance.

Topo map ref:

Sonoma. quad. - 15 min. series

N 3815 - W 12215 / 15 -

1951

AMS 15601V - Series V795

T. ~~7~~ N. R5W. sector 32

From there drove up Mt. Veeder Rd but turned around since eq. trailer truck was ahead of us. Stopped on way down to see what Montgomery Creek was like. Startled deer away but creek is fairly dry. Very little H_2O which may have come to recent rains.

Then returned to Redwood Creek Rd.

Redwood Creek, Redwood Creek Rd, Napa Co., Calif elev 300'

Stopped 3 mi. from junction of Redwood & Dry Cr Rds. Walked ~ .3-.5 mi. downstream. Saw 4 small indiv. (see sp. accts). but no large ones. Stream much clearer than yesterday.

Went short way up Mt. Veeder Rd. to see what the creek in Pickle Canyon was like. Appears good in several areas, altho a lot of it is also posted.

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1973

Journal

23

San Luis Obispo Co. trip, Calif

March

Well, Tom Buckholz & I are off again!
Left Berkeley ~ 2:30 - 3:00 P.M. Drove out Rte 17
to 101 & down to Atascadero. Camped at
Cerro Alto campg'd of Los Padres Nat'l Forest.
Arrived ~ 7 P.M., already dark. Rained
all day, most of night. As drove into
Nat'l Forest, got sev. looks at Atas-
cadero Creek. Looks like there may be
frost there. Decided to sleep in car -
easier than putting up tent in the rain.

March

Wake ~ 6 AM to the sound of 2 nearby
rushing streams (which we didn't notice
last night). Overflowing (at least 18 in.
above normal, very muddy. Ate a
bit of breakfast & continue on Rte 41
(which led into Los Padres) to Morro
Bay. Stopped for cup of tea/cocoa
& to decide what to do since had
been intermittent showers since we
had gotten up. Took Rt 1 up to Cambria -
beautiful drive. Saw hawk (unidentified)
on telephone wires. Also at least
20 redwinged blackbirds - looked
like they may be nesting in
areas right next to the road.

Dr. Susan M.
1973

Journal

24

San Luis Obispo Co trip, Calif.

March (cont)

Took Rte 46 for a ways ('til looked like it might be too bad). Creek runs beside road most of way. As expected, it muddy/overflowing from recent rain. Otherwise may be good. Should check later this year. Decided to return to Atascadero, out to Santa Margarita and up Calf Canyon. Again water is hi, muddy. Still raining off? or, even if the sun is out. 12:58 P.M. - hail!

Return to Atascadero, early afternoon (~2 P.M.) stop for snack & strategy. Since most of Rte 1 is closed, decided to take Rte 101 back to Greenfield.

Took G16 from Greenfield into the Arroyo Seco campg'd in the northern section of the Los Padres Nat'l. Forest. River running thru here (Arroyo Seco river?) - H₂O not muddy but hi. Is getting very cold. Even if H₂O down wouldn't expect to see any frogs. Set up camp & ate some lukewarm soup for supper (problem of damp firewood).

March

Wake ~ 6:30 A.M. to the beginning of light rain. Quickly got up, took down

ice, Susan M.
1973

Journal

25

1 March (cont)

San Luis Obispo Co. trip, Calif.

the tent and left. Stopped in Greenfield for a HOT breakfast. Since it was raining again we decided to go down to King City (on Rte 101), take the G13 over to Rte 25 & see what the San Benito River had to offer (if anything). Drove south on Rte 25 - to see if anything there - just mudslides & flooded pastures. Turn around & drive N on 25th til ~1 mi N of junction of 25 & G13. Rd leads to Coalinga but has no route # on map.

San Benito Riv. also hi, muddy etc. Approx. 8 mi up this road, as near the river source, river is smaller - maybe good habitat - H₂O clear but definitely flooded (overflow road in some places).

Return to Rte 25, drove N (w/ short detour on Rte 146 into Pinnacles Nat'l Monument). On road off Rte 25, just N of junction to Rte 146, is area that also looks like it may be worth coming back to.

Stopped in Paicines for lunch & then drove up J1. Approx 5 mi up is stream that may want to check. Got back on Rte 25 to Hollister -> Rte 156 to San

1973

Journal

March (cont)

San Luis Obispo Co trip, Calif.

Guam Bautista → 129 to Watsonville →
→ Rte 1 to Santa Cruz → Rte 9 thru
Sanatoga (hail storm en route) → Rte 17 →
Rte 680. Return to Berkeley ~ 4:30 PM.

March

Napa Co, Calif.

Julian Krolick & I left ~ 9:30 A.M.
to drive up to Napa. The weather has
been nice (& no rain for ~ 1 week). Same
route as Oct 15, 1972. Went to areas had
seen this fall - especially those where
had seen juveniles. H₂O still hi, flow
very fast, only slightly turbid. No
frogs seen.

Decided to drive to other side
of Napa Valley. Drove out West Trancas
Rd to , drove up that til
Soda Canyon Rd (on right). Stopped
~ 12:45 for lunch. Dirt road to right
& entrance to Rancho R. Rodriguez(?)
at 3030 Soda Canyon Rd.

Walked down hillside a bit - found some
rocks to sit on & enjoy the view out over
the valley. ~~to~~ Watched 2 Sceloporus
accidentalis (see sp. accs).

After lunch drove back down to
where was open area and

1978

Journal

27

Napa Co., Calif

March (cont) - 27

Soda Creek. H_2O not hi, muddy or fast.
 Lots of rocks (small), gravelly rock bottom.
 Look like good habitat. Julian & I
 walked ~ .4 mi downstream but no
 frogs. Several hundred yards from
 where we started found 2 ♀ Taricha
granulosa (?) in the H_2O ^{near} the edge.
 Only few inches apart. ~ 100 yds
 farther downstream saw a Thamnophis sp.
 disappearing into the nearby grass.
 Near the end of our search found
 another ♀ Taricha (on the opposite
 side of the bank) - also in H_2O near edge
 (1st 2 on east bank, last one on west bank)
 Wonder if there are any frogs here???.
 Looks like there should be.

location: $122^{\circ}17' W$, $38^{\circ}22' N$ ~ 500' elev.

~ 1:30 - 2:30 P.M.

Lake Co. trip

April - 21

~ 9 A.M. Julian Krolke, Tom Buckholtz,
 Helen Hu & I left Berkeley for Lake
 Co on rte 17 → rte 101 N. Plan to
 go up near Bear Creek Station
 where Ken Myota & Dean Gue
 got some animals - last October
 for me.

ase, Susan M
1973

Journal

28

April

Lake Titicaca

Drove up to Upper Lake & took road
to Lake Titicaca. Planned to
take turnoff to Bear Creek. However
missed turn and got down to the
Lake itself and farther up the
road, the El River. Stopped
at stream which crossed
by bridge just at mouth
of stream where enters El
River. Walked ~ 500 yds upstream
to where pt. rather steep. A lot
was open & many rocks on the
bank. Further up more
vegetation close to stream.

Many Sceloporus occidentalis!
Encountered - so walked up
stream. Also saw Pantherophis
terrestris. Found Scaphiopus on 4.
April 4.

Planned up road today
to find Bear Creek turnoff.
Found as we missed & became
sign read "Road Closed for Wildlife".
Decided to try it anyway. Road
heavily rutted. Got to point
where road crosses hill. Then

1973

Journal

29

April

and the road was under a 3 ft. of water
which we decided not to drive through.
Returned - 4.2 miles back to
main road. Stopped in
field for several hours.
No. 20000, 20001, 20002
and 20003 (identified later
by J. L. Patton as bobcat).

2 April

Awoke at 7 A.M. & left at 8:30 A.M.
Returned to Upper Lake and
drove on to 20 and 21 turn off
for Bartlett Springs where Duke's
house had collected frog in October.
Stopped in 20 min to investigate
stream meadows. No frog
area had no frog, just lizards.
Over past Bartlett Springs,
stopped at another picnic
area to eat lunch. As about
to begin serious searching, was
interrupted by 2 cars which drove
by and 5 kids, 2 dogs and
3 guys who went off to look
about on the area & wanted
to explore.

at ... in most places

Dr. Luanda
1973

John

30

April

Left on Day 1.

down river to where bridge about
1000 ft. creek. Spent ~ 3:30 here
loading and waiting, etc.

Continued on past last bridge.

Spent ~ 1 hour looking on river
on way to Colusa Co. Nothing seen.
People on nearby farm said they
would come for some.

Continued on to rte 5 to river
down.

Colusa Co., Calif trip

4 May

Tom Buckholtz & I left Berkeley
~ 7 P.M.; took freeway out to
~~ste 101~~ rte 88 → rte 505 → rte 5
to Maxwell & then drove up to
Stonyford where camped in
East Park Reservoir Recreation Area.

5 May

left ~ 7 A.M. (PDT) to try to
get into Bear Creek.

Took rd 18N01 (ref: National Forest
Service map of Mendocino Nat'l Forest
1966) to Fort Springs. Past Fort
Springs this road is closed (unsafe
for travel).

return to Fort Springs: mill
Creek camped & went up to rd

Susant M.
1973

Journal

31

May

Colusa Co., Calif. Trip

18 NOV. AT ~ 5000' we met the snowline. Since it was obvious no one had been through there in months & you couldn't find the road anyway, we returned the way we had come until we met the junction of 18 NOV to 16 N 44 leading to Cedar Camp. Just past turnout on left leading to Wells Ranch was small stream not on Nat'l Forest map or topo map. Decided to see if any frogs there. Spent ~ 2 hrs there - did catch 1 bone, frog.

ref: T. 16. N. R. 7. W. 49)

~~111°~~ 122° @ 1° W; 39° 16' N (1)

(no sector given).

Continue on 16 N 44 til met junction to road (no #) which leads to junction to main road between Lodega and Stonyford. Stopped several places along ~~old~~ Little Stony Creek. Saw one frog but unable to catch. Also saw Thamnophis and a king snake.

At last stop made by creek only

Susan M.
1973

Journal

32

may

Colusa Co., Calif. trip

walked a few ft when heard
a Crotalus (viridis?) in front of me.
probably at base of bush ~
3-4 ft away. Left immediately
& didn't bother to follow Creek
again.

Returned to Stonyford and
drove back into forest via 18N01
to Mill Creek campgd (near Fort
Springs) to stay for night. Was
~ 5 P.M. Walked down to Mill Creek
(which flows past campgd) and
lo! there were frogs - lot of
them. Found egg masses; caught
2: see species accts - Rana boylei.
Camped there.

may

collected along Mill Creek
for 2 hrs Sunday AM (see species
accts). Drove up to North Fork
campgd, ^(via 18N03) turned and stopped at
Red Lane Bridge. Walked up Mill
Creek a few hundred feet - did see
4 frogs but not collected. Decided
was time to go home (~ 12:30 PM (PDT))
so returned via 18N03 -> 18N01 to
Stonyford - back to Maxwell & etc 5 ->
etc 505 -> etc 80 to Berkeley.

Susan
m.
1973

Journal

33

Trinity Co - Butte Co. trip

July 10

drove up Rto 5 to Redding → 299W to Douglas City & then rth 3 to Hayfork.

Tried to find Bear Creek where Bruce Burey got some Rana boylei several yrs ago. No luck.

Spent several hours at Hayfork Creek to some success (see R. boylei field notes). Camped at Philpot cpqd - will check the creek tomorrow AM before I leave.

11 July

Yes there are frogs in Philpot Creek & Sact Creek as well.

(see field notes). Since finished by ~ noon, decided to head for Butte Meadows.

Checked a few streams on way back but no luck.

Went back to Redding down 5 to Orland where get rth 32. Got there (cpqd - Potato Patch) ~ 8:00 P.M.

Toe clipped frogs for this weekend.

2 July

Got into Cook Hollow where Zweifel reports R. muscosa.

Tromped ~ 1/2 mi upstream - only saw 2 Bufo boreas - one was sitting in the H₂O in a

1973

Journal

34

uly (cont)

Trinity Co - Butte Co. trip

small quiet pool sheltered by a large rock. The 2nd was found 6-10 feet from river bank

asked some fishermen there but they said they'd never seen any there. Did mention a couple of places I could try but no luck.

Decided to head back to Mill Creek (see 4 May → 6 May, 1973 journal). collected 7 tadpoles there. Left early because of threatening rain (& lightning - worried abt forest fires). Also saw 3 → 4 adults. Stream is ~ 1/2 size was in May. Stopped to eat at Diversion Dam cpd. Found 2 frogs had died. Put on dry ice & left for Berkeley. Arrived ~ 9 PM. will do lab work next 2 days.

Nevada Co trip

5 July

left Berkeley ~ 9 AM. took 80 to Auburn where took 49 → 20. Got to Washington area ~ noon. Between noon & 5 PM. collected 13 R. boylei (see sp. accts). Drove up to Indian Spring Cpgd for night.

July

left ~ 8:15 AM to try to get to Houser & Sutton's localities at Rattlesnake Creek & Magoni Summit area.

Got 1 R. muscosa in lower Rattlesnake Creek but unable to get into other localities to car. Not prepared to backpack in.

Then drove up toward Graniteville via Bowman Lake. Stopped at Fall Creek on way but no frogs. Stopped at Poorman Creek just outside Graniteville. Did see 2 muscosa (?) but unable to capture. (almost but not quite!). ~ 4 PM (PDT). Stayed at

Cpgd. All animals banded.

17 July

Found one animal from Washington Creek had died during night. Oh well. Drove down on rte 49 to Big Trees (rte 4). to a stop around Auburn for more ice & some supplies.

Nevada Co trip

7 July (cont)

Hiked into Big Trees Creek in Searock Grove but despite 3 hours there - no frogs. Tried to get into San Antonio Creek in Dornington but the road is closed (private). P. murrose is supposed to be there. Also, at the White Pine end of the creek they've constructed a lake which may affect things.

Drove up to Lake Alpine on rte 4 to see if any frogs there. Walked over a mi. of its bank but no luck. Maybe too much human activity.

Stayed at Big Meadows Cp'd for nite.

8 July.

Drove down to Tuolumne Co (on 49) → rte 108/120 to Middle Fork Camp (now Lake Middlefork Camp). Walked up river where had gotten animals last year. Nothing (just people). (~ 12 noon). Decided to return to Berkeley to do lab work.

Susan M
1973

Journal

37

2 July

L. A. County trip

left Berkeley ~ 8 AM (PDT) - got
on 680 → 580 → 205(?) (Tracy & Manteca)
to 99 to Bakersfield where to
58 → 14 → 2 → 39 to Coldbrook
Cpgd in San Gabriel Mts. Arrived
~ 6 PM (# of rest stops on way).

3 July

One of Zweifel's (1935) localities
for R. muscosa is just above this
cpgd. Approx 8:35 AM. started up
N. Fork for $\frac{1}{4}$ → $\frac{1}{2}$ mi. Not see
anything.

~ 9 AM. went down to bridge
over W. Fork (~ 5 mi from cpgd)
& walked ~ 2 mi upstream from
there - supposed to be dense population.
Only saw a few tadpoles which
collected (see Hyla californica ~~boxer~~). Finished
~ 1:30 P.M. Went into Azusa
for ice & more supplies. Heat
has really gotten to me!
How can anyone stand it here?

~ 4:30 PM. was going to go
back upstream from cpgd to
look for more frogs. However
since people were coming down
from there I figured any R.
muscosa there may have been

Dr. Susan M.
1973

Journal

30

July (cont) L.A. County trip
would be hiding. Oh well! Tomorrow
the east fork.

July
Left opgd about 8 AM & got
down to east fork of river - Williams
Flat area by ~ 8:30 am. Lot of
camping areas developed along river.
Help! Stopped just E of Williams
area - collected 14 ^{californicae} ~~R. baylei~~ tads
(see sp. acct). Then went to W fork
& collect 8 tads there (^{hyale} ~~R. baylei~~ ^{californicae} - see
sp. acct). before ran into problems
w/ plastic bags. Before leaving
area also decided to stop at
Lincoln Sta. area. Got 10 ^{hyale} ~~Rana~~
tads there (see sp. acct). Also
present were Bufo boreas tads.
Also saw 2 newly metamorphosed
individuals as well as a just
metamorphosed R. baylei.

Drove into Azusa on 39 for more
ice & headed back via 101.
Arrived ~ 11 PM.

Susan M.
1973

Journal

39

Graniteville, Calif.

Aug - 5 Aug

Karen Trif & I left Berkeley
~ 8:30 PM & drove up to Nevada
City via 80 → 49. Took 49 W
N. Bloomfield Rd to Graniteville.
Stopped at bridge stopped at
before. Walked 1.5 → 2.0 mi.
upstream, caught 10 ^{*Rana muscosa*} (of ~15 seen).
Left between 4:30 pm - 5:50 pm.
Drove up to cpd near Cisco
Grove (on way to Woodchuck
Flat). Stopped at Rattlesnake
Creek Run - where had gotten
1 frog last trip to Nevada
Co.. Walked upstream ~ 1/2 mi.
Not see anything. Water level
is down ~ 1 ft from time
I was here last. Left for
Berkeley around noon & arrived
back ~ 3 PM.

use, S.M.
1975

Journal

40

N. California trip.

4 July

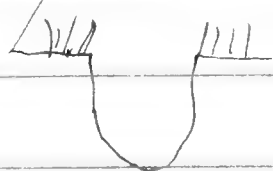
Took 17 North from Berkeley to San Rafael & got on San Francisco Drake Blvd → Rte 1 N. Checked stream in Taylor State Park in 2 places for R. boylei. Both look like suitable habitat, none there.

As continued up Rte 1, stopped at mouth of Salmon Ck to look for R. aurora. No luck. (Bet they're across the rd in the wild-life sanctuary). Also stopped at small stream (no name) to look for boylei. Again no luck but there may be too much shade there. Continuing N, stopped at mouth Gualala Riv. No frogs but 2 deer.

Ended day at Manchester Beach State Park where camped. Looked for 2 ponds at N end of park rep'ted on topo map & in which Sam Sweet had fd aurora. Both dry.

25 July

walked d'n beach f'wd Pt. Arena to find outlet for Lagunas (?) Ck. Followed it upstream quite a ways but no frogs. Most of bank is quite abrupt. ie



Not many places for frogs to sit.

Left Manchester & cont. on Rte 1 to junction w Rte — inland. Stopped at

ase, S.M.
1975

Journal

41

N. California trip

25 July (cont)

Elk Cr - found 14 boylii tads in pool of H_2O where it was shallow & w/ silt & some algal growth. Also several (two) salamander larvae in same pool. No adult frogs seen.

After got on 2nd - went inland along Navarro Riv. Stopped at Riv. in Paul & M. Dimmick State Pk. Sae^{er} saw. Lg tads - caught 1 - was bullfrog. Three were in small ^{deep} pool, separated from rest of stream. 4th was in main pt of river, resting on log in ~ 4 ft of H_2O .

Ate lunch ~ 2pm at Hendy Woods State Park. Went down to Navarro Riv. which goes thru picnic area. I'd pool w/ at least 100 metamorphosing Hyla regilla. Also were Bufo sp. tads there.

As drove inland became ¹ly hotter - was 110° in Ukiah. Took rte 20 to Upper Lake & from there to Middle Cr. camped. Unfortunately the cr was dry.

26 July

Left camped & took rte 175 from Upper Lake to N of Huberg where Cold Cr crosses the rd. In 1961 r'p'ted 8 aurora from there. Now are R. catesbeiana ('saw' 6-8 while there)

Drove from there back to 20 → 5 →

near Shasta City. 110° in feeding.

se, S.M.
1975

Journal

42

N. California trip

27 July

Drove up to Castle Lake. People at UC Davis Limnology Station there say they have seen no frogs in the lake & that the trout keep them out (altho they did hear them calling in the boggy end (W) of the lake ~ 1 1/2 - 2 mo. ago). Suggested Meadow Lake (Little Castle Lake?) on saddle of mt to S (?). Hiked up but was dry. Suspect is not R. cascadae but Hyla but not sure.

From Mt. Shasta City took 89 heading for Alturas. Took Forest Serv. Rd into Colby Meadows where McCloud River crosses rd. Found 3 Rana cascadae (see sp. acc't). Drove d'n rd further to Moosehead Ck - did see juvenile on rock but unable to capture.

Drove on to Alturas & stayed at Cedar Pass Campgd.

28 July

Spent a.m. walking ~ 1-1 1/2 mi Cedar Ck. - no frogs (am looking for R. pretiosa). ~ noon drove up rd E ~ 1-3 mi to Stowe (Stough?) Reservoir. Is not reservoir but little pond - felled to 1000's Hyla regilla tad. - most to hind legs, a few more advanced.

n. Calif. trip

July (cont)

Afternoon drove N to New Pine Ck & took rd up to Lily Lake (~ 6-8 mi E) where # Bufo sp. tads & several adults of which I caught 1 for Julie Feder.

In small pool were both Hyla (?) and Bufo tads - got sev. Hyla tads?

1 Bufo. On way down from Lake stopped at stream & 2 ponds to look for frogs but none seen.

Stayed at Plum Valley Campgd but no frogs seen in stream there.

29 July

Overcast when awake, rain.

Does not look like it's going to clear up.

Left campgd ~ 10^{am} to see if better weather S. Is not; rain cl'ds all over mts. Return to Cedar Pass campgd to spend day

30 July

Still overcast & cold. Drove to Alturas & took Rte 395 to Lively. Went E along S. Fork Pitt Rvr. but was cold; river swollen & muddy from all the rain.

Decided not worth looking under present conditions.

Drove to Silver Lake area on east edge of Caribou Wilderness east of Lassen Volcanic Nat'l P'k (LVNP)

ase, S.M.
1975

Journal

44

N. Calif trip

30 July (cont) Guess what? Thunderstorms all afternoon
til ~ 6 pm.

1 July Drove to Caribou Lake where trails
start into wilderness area. Walked in
quite away & checked 6-8 ponds/lakes
on way. No sign of any frog life at
all. From there took rd b'k to
Westwood to pick up Rte 36. Stopped
at Susan River & walked upstream away
but saw nothing.

Decided best bet would be to drive to
Mineral & see if could get Federal
Collecting Permit for cassidax at LVNP headquarters.

Was successful & drove in from SW entrance.
Stopped at Kings Ck Meadows & got 7 animals
(sp. acc't). Spent night at Craigg Campgd.

1 August Went back in am to Dersch Meadows where
starts at Ranger Station. Got 6 animals
there (sp. acct) & then returned to Berkeley.

Fresno Co. trip

6 Aug. Took rte 13 → 580 → 205 → 120 → 99 to
Fresno & 180 E to Hume. Has become
major camping area (~100 camping units) which
is heavily used (it was full that
afternoon). Stayed at Princess campgd

see, S.M.
1975

Journal

4/5

Fresno Co trip

Aug (cont)

in Indian Basin area. Indian Ck mostly dry or very overgrown. Mdw across from camp to few ponds still there. One pond with many juvenile Hyla ^{regilla} in grass and it. No tad. seen in pond itself. Other pond had 3 ducks.

7 Aug.

Headed back to go to Huntington Lake. Stopped at Sequoia Lake where baylei (muscosa?) once collected. is owned by YMCA. Is a large bullfrog population there now. Startled at least 50 within the 50 yards of shore I walked. Also stopped at Dunlap - all streams in area are dry.

Went back to Fresno to pick up 188 E. Also stopped for ice, lunch & gas. Arrived at Huntington Lake ~ 3³⁰ pm (PDT). This also is major forest service recreation area. The lake itself is a state game refuge - rather ironic considering the amt of boating etc that goes on there.

8 Aug.

Hiked 6 mi. up to Nellie Lake which is ~ N of Huntington L. No Rana at all. Few Hyla regilla tad. seen in one small area but nothing else.

ase, S.M.
1975

Journal

46

Tuolumne Co. trip

2 Sept.

took rte 13 → 580 → 205 → 120 up toward Yosemite N.P. Stopped at Buck Meadows and checked out Moore Cr. Is mostly dry with a few pools scattered around. No frogs seen in any of them or under the few rocks turned.

Stopped at Middlefork Camp (used to be Monroe's in 1972; now is Lee's) on rd to Mather's Cherry Lake (also San Jose Family Camp). Walked ~ 1-1½ mi upstream - is area where got ^{sur}R. boylei in 1972. No sign of any amphibians. Did see a Pseudonotus (?) among several large logs overhanging the river and a Thamnophis ~ 100-150 ft. above the river bed as walked back. Finished there ~ 3 pm (PDT) so drove up to Middle Fork Camp on Evergreen Rd (which also goes to Mather's Hetch Hetchy Res.). Look up one tributary but lot of logging has occurred there since 1972. No frogs.

Also walked ~ 1 mi upstream from bridge on Middle Fork Tuolumne Riv. Habitat looks good for R. boylei but none seen or heard. Stayed at that camp for nite

3 Sept.

Drove up to Mather. One stream there is dry this time of year & the outlet for Birch Lake is no longer existent.

se, S.M.
1975

Journal

47

Sierra Co. trip

3 Sept (cont).

Seems the city & Co. of S.F. decided to dam up the lake. Wonder if they also introduced the resident bullfrog population?

Headed back to 120 - Stopped at Ackerson Ck but it is very small and not very suitable for boylei.

Decided to go into Yosemite and do a little looking for muscosa while I was there.

Drove to May Lake parking area. Many Hyla regilla tadps, most w hind legs, in pond at parking lot. Hiked up to May Lake but no sign of any amphibians (including Hyla).

Drove back down to 120 and stopped at turnout across from rd to May Lake area.

A large shallow pond ~ 100 ft below road. Went down to look for R. muscosa.

Only Hyla regilla tadps seen - these also w hind legs. Headed back on 120 west.

Stopped at Siesta Lake where had gotten R. muscosa in 1972. Only Hyla regilla seen.

Lots of tadps, all beginning to metamorphose.

Brought back ~ 15. Was ~ 4³⁰ pm (PDT)

so drove back to White Wolf campd to stay the night.

4 Sept.

Hiked up to Lukens Lake from campd.

Caught 2 R. muscosa. Also saw 2 that got away. Also took 5 tadps.

1975

Journal

48

Tuolumne Co. trip

4 Sept.

Saw 1 juvenile Hyla regilla sitting on a log. On way back to camp stopped at ck beside trail. Caught 1 R. muscosa sitting on gravel bank. Stream w no gradient & ~ 2 ft across.

Left camp ~ 1 pm (PDT) and drove back west on 120 to Carlon camp (on Evergreen Rd). Walked ~ 1 mi downstream on S. fork Tuolumne River in what looked like good habitat. No Rana seen. One Hyla regilla seen on bank ~ 3/4 mi from bridge. Went back to 120 W & drove 3 mi W to where rd crosses S. fork again. Beautiful habitat - no frogs.

Was ~ 4 pm (PDT) so drove 120 W → 49/108 → 49 N → 4 W & stayed at Big Meadows camp.

5 Sept.

Stopped in Dornington and walked ~ 3/4 mi of San Antonio Ck - reminds me of Philpot Ck in Trinity Co. Only no frogs seen. Decided to return to Berkeley.

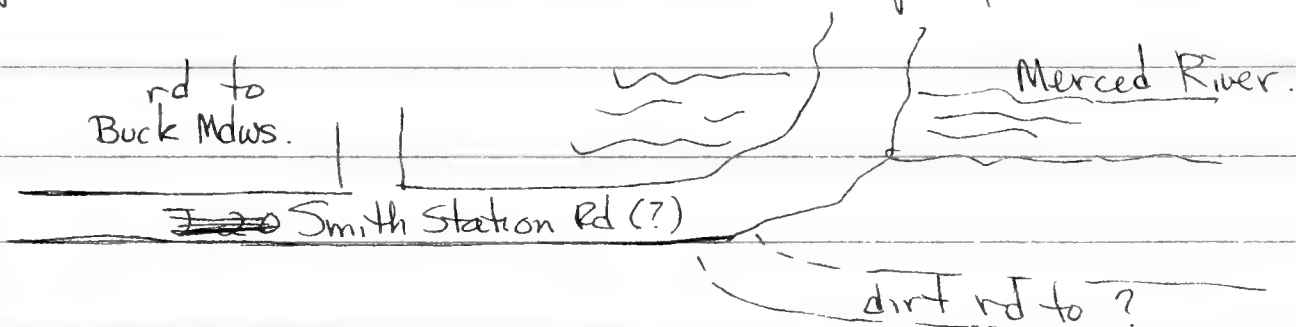
13 Sept

return to Tuol. Co. via 120. Walked down to Lumsden camp from Ferretti rd. Went to bridge along S. Fork Tuolumne - walked down to where joins Tuol & walked along river back to camp - no frogs. Drove back to Moccasin Pt, where stayed nite.

Tuolumne - El Dorado trip

14 Sept

took rte 49 from Moccasin → Coulterville
+ then J20 east. Headed for Bowers Cave but
never fd it. Black Stone, Smith & Bean Cles
all dry. Walked ~1 mi of N. fork Merced River
from where crosses rd - no frogs.



Decided to head up to El Dorado Co. (— ^{J20} S.S. Rd.?)
went back:

took J20 to 120 + then down to 49 N →

50 E. Ended up staying at Fallen Leaf
camped on Tahoe shore area. Camped on N
shore of Fallen Leaf Lake - in shallow area of lake
where grass is growing in H₂O is bullfrog
(R. catesbeiana) pop. Frightened 3 individuals
into H₂O; also a Thamnophis. One animal
(~5 cm SV) was sitting in wallow in mud.
Was able to approach within inches. Didn't move
until touched.



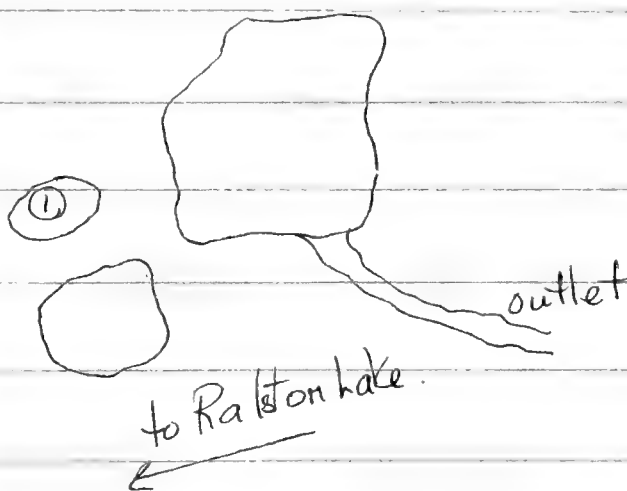
mod. whole back caked in mud

+ wallow also filled with H₂O.

Tuol. - El Dorado trip

15 Sept.

drove dh to end of ~~to~~ Fallen Lake - is all resort area. Took rd thru Stanford Sierra Camp. Trail to Cathedral Lake so obscure that can't be fd. Also unable to find trail to Angora lakes. Drove down to Echo Lake (on 50W). Trail to Tamarack Lake / Desolation W. Iderness clearly marked. Took 2 hrs to hike in. Pthly cloudy. Arrived ~ 1pm PDT.



Many (?) Hyla tad
Seen in pool ①

fd 5 Rana muscosa juveniles. after ~3 hrs search. Arrived at car ~ 5³⁰. Stayed at Pyramid Camp.

16 Sept.

Spent a.m. walking American River, sev. mi. west of Kyburg. No luck - just fish. Think it may be too developed. Returned to Berkeley.

Case, S. M.

1972-1975

Species Accounts

ase, Susan M
1972

Rana boylei

~~Monroe Middlefork Camp~~
~~Oakland Recreation Camp~~ - S of road, Middle Fork
Tuslumne River, Tuolumne Co., Calif.

ly 8, 1972

air temp. $\sim 33^{\circ}\text{C}$ (*) found ~ 2 ft from bank
on rock under young branch of tree (ide sample
taken for later identification). (Tom Buckholtz
chapered it) (11:45 AM) - missing right front leg
7:25 P.M. - Small individual captured in ~ 2 inches
 H_2O after ~~se~~ scared off bank. $\text{H}_2\text{O T}^{\circ} = 21^{\circ}\text{C}$. (?)
Bank-rocks as is bottom of river. Air $\text{T}^{\circ} = 22^{\circ}\text{C}$
 $\sim 100'$ upstream from where got first one.

Number of other individuals there but unable
to capture - all small.

Dominant veg = Pinus ponderosa = yellow pine
~~Ponderosa~~ pine \rightarrow some deciduous
growth. Streamside not heavily overgrown \rightarrow vegetation,
forest floor covered \rightarrow pine needles.

In an attempt to capture one individual, noticed
that it went up into some dry overgrown
twigs/roots.



Wonder if they use places like that to overwinter in?

*

am not sure if thermometer reading correctly

use, Susan M.
1972

Rana boylei

2

Monroe Middlefork Camp, E of Road, middle fork of
Tuolumne River, Tuolumne Co, Calif

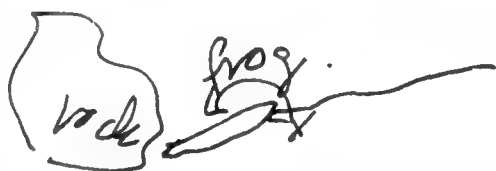
ly 15, (cont)

elev ~ 2800'

~ 8:30 A.M.

Returned to same ~~of~~ rocky shore where
caught indiv. of July 8th at 7:45 P.M.

Scared 2 off bank on way up but unable
to capture. Will return later. Tom
Buckholtz & Graham Chalmers & I
are not trying again. Collected 3 small
individuals ~~to~~ in ~ 10 min. all along
this bank. Domic. reg as earlier
described. Tom & Graham cooperatively
caught 1st two; Graham & I caught 3rd.
8:55 A.M. Graham spotted one frog we'd
previously scared off the bank.
He & Tom managed to catch him.



9:10 A.M. ~ 100 yds upstream. Crossed stream
to another large rocky shore



Caught on shore as head toward H₂O (Tom)
Graham spotted 2 more in H₂O.

Susan M.
1972

Rana boylei

3

Monroe Middlefork Camp, E. of Road, Middle
Fork of Tuolumne River, Tuolumne
Co., California

July 15 (cont)

9:29 A.M. ~ 30 yd upstream along rock outcrop. Small indiv caught by Graham. Lorn in shallow ~~pool~~ pool just above some "rapids" (i.e. H₂O running but rapidly over some rocks. H₂O ~ 3-6" deep.

10:12 A.M. started back downstream, ~~just~~ ~ 20 yd. up from bridge (foot bridge) below small "rapids". On rocky (small rocks) w/ alder veg. One had scared previously.

10:20 A.M. returning downstream to 1st rocky shore where earlier captured first indiv. Another indiv. caught.

10:45 A.M. caught indiv. 1st 'scared off' bank at ~ 8:30 A.M. ~ 3 ft from H₂O near base of Ponderosa (? - Jeffrey?) pine.

~ 11:00 A.M. - final indiv. caught by all of us found sunning on top of lge rock.

Topo map ref:

Tuolumne quad (15'); N3745-W12000/15

1948. AMS 1959 I - Series V795

T. 1. S; R. 18 E. sector 28 middle of upper half.

Susan M.
1972

Rana boylei

4

Redwood Creek, Napa, Napa Co. Calif. elev ~200'

15 Stopped at ~ 1:30-2 P.M. at turnout on Redwood Road to see what the stream was like. The habitat looked suitable for yellow-legged. Upon 1st approaching the stream bed I scared one small individual into the water. I walked downstream ~ 50-100 yds but saw no other animals. Upon returning to the point of origin the 1st individual seen was captured. It is a young individual, ~ 8-10 mm ~~in~~ snout-vent length. Chu Mei has decided to keep him for a pet.

Searching for animals ^{has} proved difficult. There has been a lot of rain recently and most of the creeks and streams are muddy. It is quite probable there are frogs in all of these streams but if they are in the bottom it is impossible to see them.

e, Susan M.
1972

Rana boylei

5

Dry Creek, Napa Co., Calif

21.16

Tom & I stopped ~ 2-3 mi on Dry Creek Rd from the junction of Dry Creek Rd to Redwood Rd. Walked for ~ 1 hr. downstream until we came to a house. One small individual was seen to jump into the H₂O but was unable to relocate him.

Continued up Dry Creek Rd to just beyond junction of Dry Creek Rd to Oakville Rd. Is bridge there over small stream which runs into Dry Creek. Stream is on private property so didn't explore it. Walked .3 miles up Dry Creek - saw nothing altho habitat looks good.

Redwood Creek, Napa Co., Calif. elev ~ 300'

returned to area was yesterday. Pull of road 3 mi. from junction of Redwood Rd to Dry Creek Rd. Light rain - very slippery. Saw 4 juveniles, 1 caught & released. All within ~ 20' of each other, all near turnout. Several seen sitting in 'pits' in the rock, often to small and H₂O.

ie



small pit, ~ right size for small frog to 'sit' in.

se, Susan M.
1972

Lana baylei

6

X. 16

Redwood Creek, Napa Co., Calif. elev. 300'
walked .3 - .5 mi downstream
but saw no other indiv.

Susan M.
1973

Rana boylei

7

2.7 mi N (on Upperlake-Lake Pillsbury Rd)
from Little Squaw Valley, Lake Co., Calif.

April

2:30 - 3:00 P.M. River over unmarked
creek ~ 100 ft - from where enters
Eel River. ~ 100 yds upstream
caught medium size individual after
had walked ~ 300 yds upstream
& came back. Stream upstream
relatively rapid & steep so not
continue further. Toes on one
foot damaged.

creek w of benchmark 3624 on east of
Little Squaw Valley road. ~~Calymene calymenis~~
nearby is Little Forest. ~~Calymene calymenis~~
~ 12 P.M. (EST)

May

found small creek which not
very deep. Little Squaw Valley
Stony Creek. (on road past
Cedar Camp). Walked ~ 500 yds
inland. Caught one medium size
individual. Several hundred feet
further upstream was getting
much steeper, much more rapid.
Scared several times off bank.
Once scared off back; waited
several minutes. Saw him
swim back to my side of shore

Se, Susan M.
1973

Rana boylei

8

creek w. of benchmark 3624' or east of Miller Ranch on
road #18 N 111° 60' 44" - then clear camp in Mendocino
Nat'l Forest, Colusa Co., Calif.

under H₂O - slow - use hand feet
in sort of walking motion -
nose: eyes just above H₂O.
Caught.

Miller Creek, Miller Creek Camp,
Mendocino Nat'l Forest, Colusa
Co., Calif. elev. 1625'

5 May, #

- 5:30 - 2:00 PM (P.T.). Stopped in
camp for night w. intention
of exploring the creek in
the morning. Went down to
under in creek & stream.

Found 7 R. boylei in ~ 50'
of stream. Also think found
a egg-mass of R. boylei - one
group hatching - one looks like
almost ready to hatch. Caught
2 individuals - plan to look
more extensively tomorrow

Eggs on east bank - 6 inches from
shore (1 mass) & the other - 1 inch
from shore.

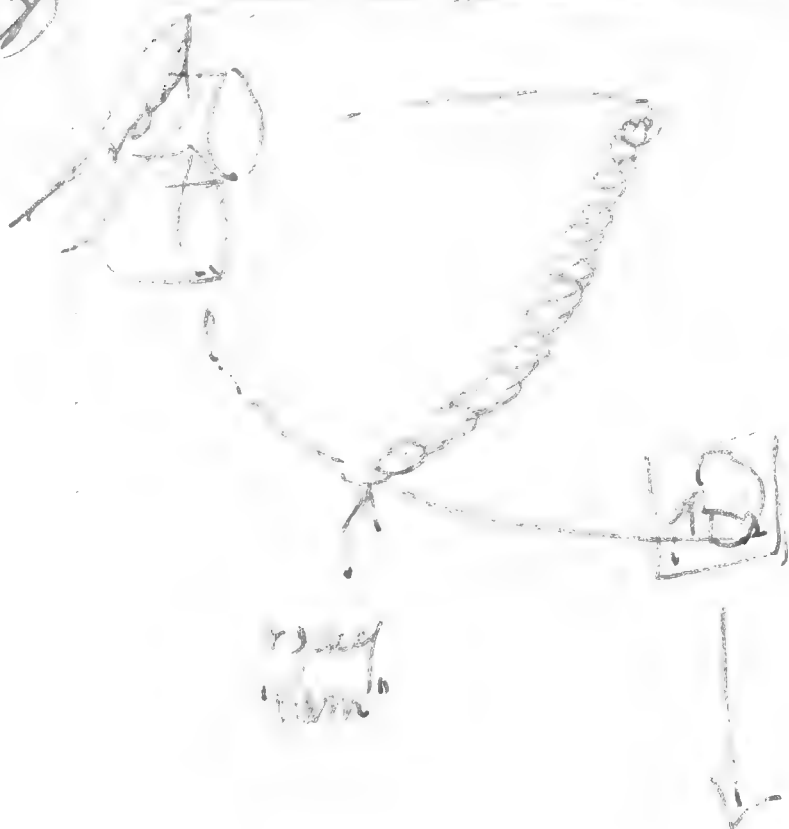
Susan M.
1973

Rana boylei

9

Mill Creek, Mill Creek Campground, Mendocino Nat'l Forest, Colusa Co., Calif.

5 May (cont)



newly hatched tadpoles remained on the bottom with little or sporadic movement unless poked gently. Then would rapidly wriggle tail (but go no where) & sink to rest on bottom again.

Susan M.

1973

Rana boylei

10

Mill Creek, Mill Creek Campground, Mendocino
National Forest, Colusa Co., Calif.

estimated # ~~20~~ 25-75

~ 8:30 - 9 A.M. (PDT) → ~ 11:00 - 11:30 A.M. (PDT).

walked upstream (site A) - several hundred yards. Traps out even at this early hour - only checked west bank (east bank access) & would be side which sun hit earliest. Caught total of 12 indiv., most ♂'s (I think). Many others seen which unable to catch. Saw at least a dozen egg masses. Thought heard some ♂'s calling from east bank. Call is low rattling (not quite sure how to describe it).

Then proceeded to area near campground where previously caught 2 individuals. Walked length of campid - & caught 8 more indiv. 4-6 juveniles seen, several egg masses one of which looked like it had been recently laid. All individuals near campid much more wary (as expected). All animals taken from east bank

1973

Rana haylei

11

Calif: Trinity Co., Trinity Nat'l Forest,
Hayfork, Hayfork Creek.

July

T 2 N R 12 W 10 elev ~ 2300

stopped by bridge just outside Hayfork on rd to Hyampson. Number of tadpoles (which I should have collected & didn't). Adults not in lg abundance. (They must be there somewhere). Got 6 rather small individuals 1:30 → 5 PM PDT

Calif: Trinity Co., Trinity Nat'l Forest,
Hayfork, Salt Creek

Peanut T 1 N R 12 W - 12 elev 2499

2nd T 2 N R 12 W - 36 elev 2400?

July

Stopped at 2 sites ~ in 1 mi of each other. Tadpoles (10) all caught at Peanut. When disturbed then "scoot" under rocks or bury themselves under silt. Often they were just rest on the bottom. Relatively easy to catch. 4 adults also caught.

At 2nd stop, - don't remember any tadpoles. Only caught ~ 1/2 of frogs seen (caught 4). Lot of silt on bottom which will bury into so once jump, is hard to see where have gone. 9:15 → 11:45 AM PDT

Susan M.
1973

Rana boylei

12

Calif.: Trinity Co., Trinity Natl Forest,
Philpot Cpgd, Philpot Creek

July

T 1 N R 12 W - 11 elev 2400' (?)

looked and camped before left
(~ 7:45 → 9 AM PDT). Caught 9
indiv. Not see any tadpoles. Seen
fairly abundant - lot of small juveniles.
(note: 7 of the 9 died next day from
overheating).

Calif.: Colusa Co., Mill Creek cpgd, Mill
Creek, Mendocino Natl Forest elev 1625'

12 July

caught 7 tadpoles. Only checked
area immediately near camped - not
go upstream at all. Stream much
lower - some algal growth - in
which tadpoles hide. Also

saw 3-4 adults in that area

Calif.: Nevada Co., Washington, Washington
Creek elev 2971': T 17 N R 11 E quad. 12+13

July

stopped around noon at bridge
and walked upstream. Got 1 frog - very
reddish hue. Then went downstream
where was less of a gradient. Got
5 more individuals in ~ 1/2 mi of
stream. No tadpoles seen.

Susan M.
1973

Rana boylei

13

July

Calif: Nevada Co., Washington, South
Yuba River, elev 2800' (?) T17N R11E quad 6
Stopped at Keeler Picnic Ground which
is ~ .7 mi on dirt road off to
right just after bridge over S. Yuba
River. Arrived ~ 3:45 PM to
4:50 PM (PDT). Able to catch 7 frogs
in area. Only a couple of tadpoles
seen so not collected.

S.M.
1974

Rana boylei

14

California: Trinity Co., Mill Ck where crosses
rt 299.

August

saw 1 animal sitting on rock in middle
of stream which was fairly fast moving.
Unable to catch. No other frogs seen.

California: Trinity Co., Philpot Ck below
bridge near Philpot Campgd elev 2400'

August

worked downstream from where worked
last year. Frogs seem fairly abundant
since only went few hundred yards
+ was able to get 10. Animals not seem
to be very wary. (~ 12n - 1pm PDT)

California: Trinity Co., Philpot Ck above
Philpot Campgd elev ~ 2400'

After going downstream, went to campgd
+ worked upstream from edge of campgd.
Frogs much wavier but also abundant.
Caught 5 before stopped by rattlesnake
(see Crotalus viridis). Did catch 2 more
on way back to camp (1 - 2:30 pm PDT)

California: Trinity Co., unnamed tributary into
Philpot Ck at Philpot Campgd. elev ~ 2400'

is a partially dry tributary which
flows into Philpot Ck at campgd.

Late afternoon (~ 4-5 pm PDT) as was
getting overcast, able to get 10 frogs
from this tributary in which they also
seem abundant.

ee, S. M.
1974

Rana boylei

15

California: ^{Colusa} ~~Trinity~~ Co., Mill Ck., near camped at
Font Springs

August

lot of small, newly transformed individuals -
very wary, probably to the ~~large~~ extent of
human activity in the area. Did see a
couple of large adults - sitting under rocks
at edge of stream. Only caught 3 but
all died of heat shock before able to
get back to car.

25, S.M.
1975

Rana boylei

16

California: Alameda Co., Muna Rd, ~15 mi from Teha Kā
turnoff, Livermore

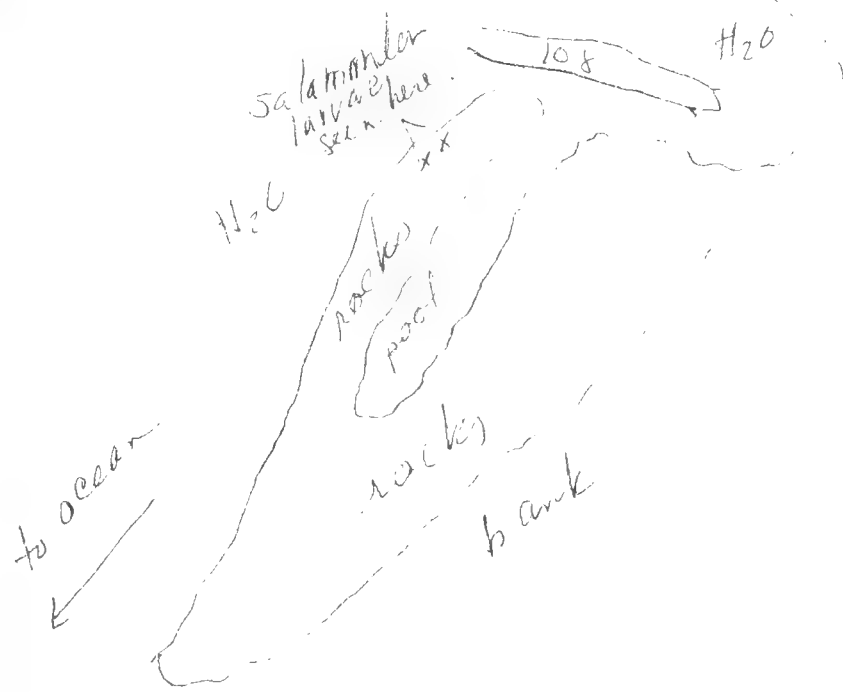
2 July

drove to lg gravel turnout Ted Pappenfuss
told me abt. walked downstream from there.
No adults seen. I'd pool in several tads.
Took 7.

California: Mendocino Co., Elk Ck where
crosses Hwy 1.

25 July

went upstream few hundred yds. No adults
seen. Got several tads in pool.



Ck in general was slow & pool ~15' wide.
Got 14 - all but 3 died from excessive cold
w/in 2 days - kept them on ice for rest of trip

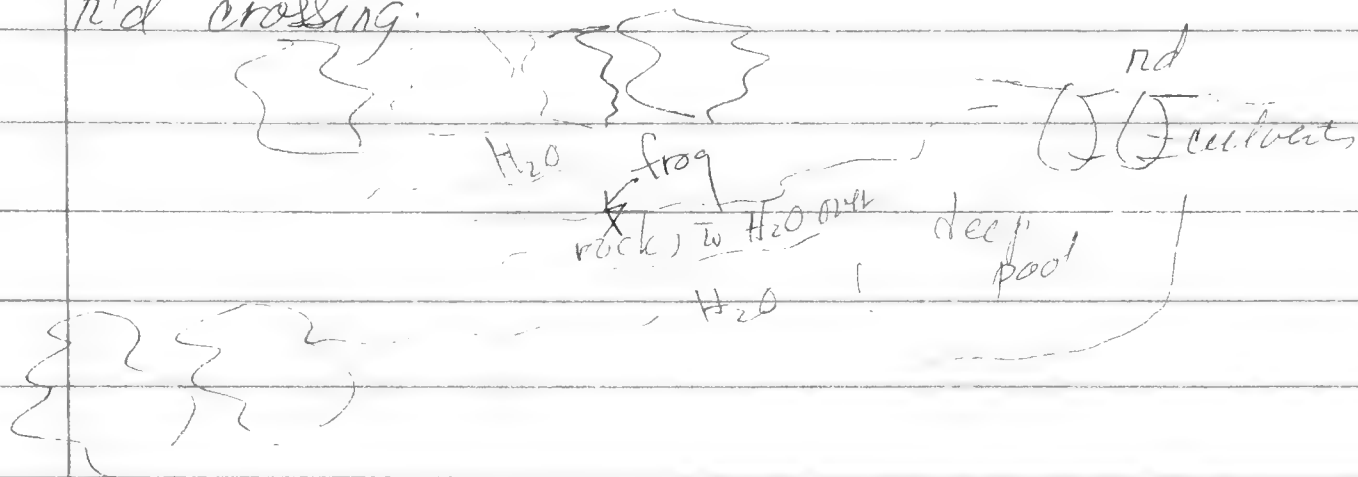
S.M.
1975

Rana cascadae

California: Siskiyou Co. McCloud Riv. at Colby
mdws., elev

7 July

stopped there ~ 12³⁰ pm. I'd 1 animal
in shallow, rocky area of stream right at
r'd crossing.



Not too I'd to catch. Most of area
downstream from there impossible to walk since
too overg'n ? w/ lg trees fallen over.
Walked d'n r'd 'til got to area where able
to get into stream - area where more rocky
areas - more similar to R. boylei - type habitat.
I'd 1 frog sitting on rock (able to put
net over almost completely). I'd 3rd
in similar situation to 1st.

After eating lunch (2⁰⁰ → 2¹⁵ pm PDT) drove
down r'd farther to where Moosehead CK crosses r'd.
Saw 1 juv. cascadae sitting on rock but it
ducked out of sight before I could get it.
None others seen there.

ee, S.M.
1975

Rana cascadae

2

California: Lassen Co., LVNP, Kings Ck Mdw, elev ~ 7300'

31 July

started walking ck at picnic area but no luck 'til after crk crosses rd to lg mdw. Id frogs at ~~the~~ far end of mdw. Most sitting among tall, dry grass. Hard to spot, except by movement. Several juveniles Id in dry-grass areas which still in some H₂O in (2 sev. inches but not mucky). Of adults captured - some jumped directly into ck. After hid to catch once in H₂O for current strong. Animal often go in but stay at side of bank i.e. one case



but current made hard to get net and him (but did).

In areas where current not strong was little problem - after jumped in & returned immediately to where jumped i.e.



Occasionally some individuals did not head for ck but went away tow'ds moist mdw.

Heard 2 ♂ calling in flooded area of mdw. Not sure if they were cascadae or not since unable to locate indiv. (was 5¹⁵ pm PDT). One would start & initiate calling by other - call together & then 2nd to start calling would stop 1st. Tried to approach one

se, S.M.
1975

Rana cascadae

3

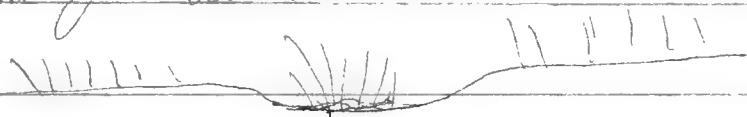
31 July (cont) California: Lassen Co., LVNP, Kings Ck Mdw, elev 7300'
but he stopped until I turned & left.

Caught 7 indiv., saw 3 more. Am sure there are many more animals in that area.

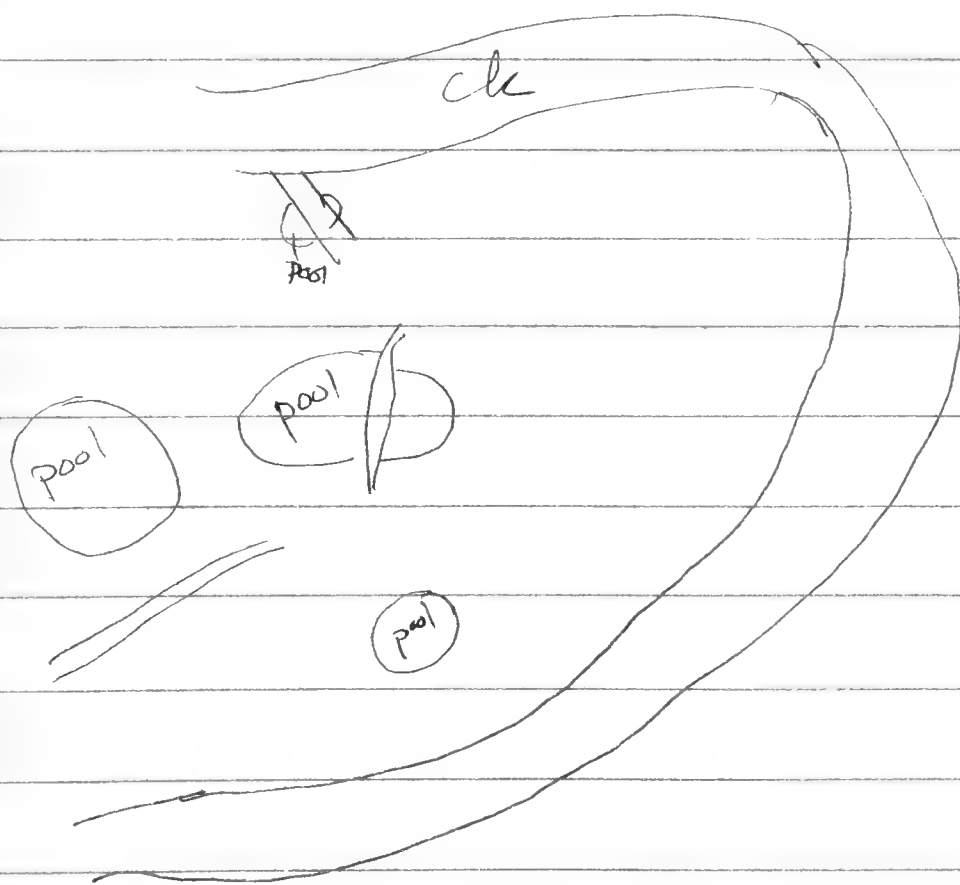
California: Lassen Co., LVNP, Dersch Mdw, just n. of ranger station elev.

August started collecting btr 8³⁰ - 9⁰⁰ am. Some areas w little sun. Mostly juveniles out.

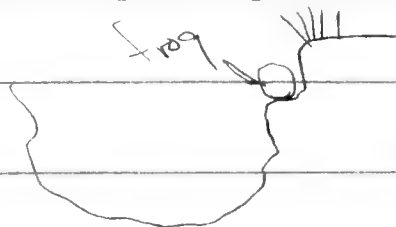
I caught on rather muddy, shallow grassy area of bank.



Several others caught in pools beside ck in mdw which had not dried out.



As returned to car (~ 10^{am}) areas w more sun had adults out. One was on "overhang"

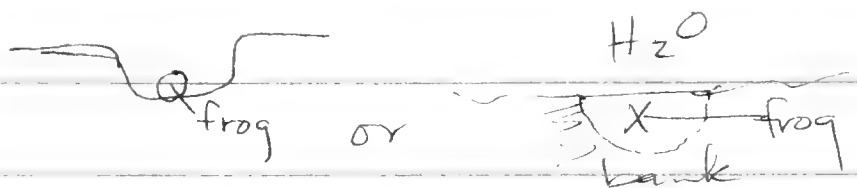


not very wary - able to capture easily.

California: Lassen Co., LVNP, Dersch Mdw, n of ranger station elev.

August (cont).

(Another adult fd on small gravelly area



Also easily caught.

Suspect would find more adults if tried later in day. Caught total of 6 animals there.

Susan M.
1972

Rana muscosa

Susie Lake, Yosemite Nat'l Park,
Tuolumne Co, Calif.

ly 15

3:30 P.M. elev. ~ 7930'

took walk around lake to see what was there.

Scared at least 8 off far side of lake. Many tadpoles noticed.

H₂O ~ 2-6" ~~off~~ deep. Graham caught 2 by hand. ~~water~~ H₂O clear, bottom sandy. Dom. veg. =

most sunny on bank from where we scared them.

Rte 120, ~ 1 mile E from turnover to Tuolumne Meadows High Sierra Camp, ^{Yosemite Nat'l Park} Tuolumne Co, Calif

elev. ~ 9300', ~ 100 yds off road. River rel. rapid. Small indiv caught after jumped off bank (grassy). Overcast, thundering. 4:45 P.M. (Dana Fork)

Tuolumne Mead. quad. 15' N 3745-W 11915 | 15'

1956 AMS 2159 IV - Series V 795

T. 15. R. 24 E sector 2, lower half

5:30 P.M. - ~ 300 yds up stream - lge indiv.

Tuolumne Meadows, Yosemite Nat'l Park,
Tuolumne Co, Calif

7:20 P.M. elev. ~ 8620'

main ~~the~~ stretch Tuolumne, ~ 12-14 ft wide - few inches to 1 ft deep. been

Lusan M.
1972

Rana muscosa

2

Tuolumne Meadows, Yosemite Nat'l Park,
Tuolumne Co. Calif

15 (cont)

intermittent showers for last hr & 1/2.
found in quiet shallow side pool
w/ some low vegetation.

T. I. S. R. 24E sect 5

22

Cathedral Creek, Yosemite Nat'l Park, Tuolumne
Co, Calif. elev. ~8160' - 8200'. 3:30 - 4:30 PM.

Stopped on road where creek is closest &
walked down ~~to~~ ~100 yd steep
bank of lge rock, & lodgepole pine
both standing & fallen. Water
bit fast so walked 1/4 - 1/2 mi
downstream. Gets slower as
move farther downstream; not as
many lge boulders or fallen ~~stream~~ ^{logs}.
Noted small "meadow" on one side.
Graham caught 3 indiv. One
small indiv. was captured but
released. Probably juvenile. Noted
that when tried to capture it
would swim towards shore.
After releasing once it swam
to ~1/4 inch of my shoe & didn't
move when I "stroked" him on the
head. Wonder about orientation in
juveniles? Should have tried

Susan M.
1972

Rana muscosa

3

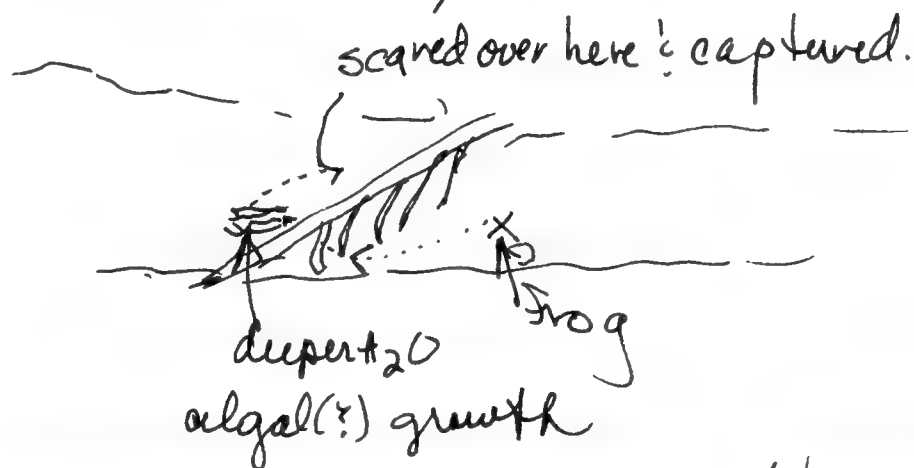
Cathedral Creek, Yosemite Nat'l Park,
Tuolumne Co., Calif.

y22 (cont)

more extensive tests (or something) but didn't think of it 'til later.

1st indiv. found sitting on rocky/gravelly sand bar in grassy banks; sunny.

2nd indiv. spotted ~~at~~ ~ 5' from where found juvenile. He was scared off the bank & went under a log (small which had fallen across the stream & apparently hid in some thick "slimy" looking algal(?) growth on the bottom. We return ~ 1/2 hr later & found him sitting submerged in the sun ~ 1 ft upstream from the log. This time we saw where he went & ~~was~~ were able to capture him.



also quite a grassy bank

3rd indiv. found farther downstream sitting in the bottom of a sunny 6-12 in. deep pool. Clearly visible.

1972

Rana muscosa

4

Siesta Lake, Yosemite Nat'l Park, Tuolumne Co,
Calif elev ~ 7900'

July 22 (cont.).

Stopped ~ 5:00 P.M. to see if we could get anymore frogs since we know they are there. Walked over to the SE(?) side of lake where saw them before but no activity. Continued around anyway then came back. One was caught ~ 2-3' from H₂O. Small indiv. caught - characteristic odor most prominent. W in a few min. another lge indiv. was caught. A third was heard to jump into the lake but got away. A dead tadpole ~~on the~~ which was metamorphosing was found in ~ 1 ft of shore & brought back. Hind legs were developing but no forelegs were externally visible. We continued to walk around the edge of the lake (last described ~~edge~~ edge as very soggy mud w/ much grass growing in it) to the side nearest road but no more adults were seen. Tadpoles were obvious along the edge of

se, Susan M.

1972

Rana muscosa

5

Siesta Lake, Yosemite Nat'l Park, Tuolumne
Co., Calif.

ly 23, (cont) the lake amidst the vegetation. If
disturbed they would quickly move
~~of~~ farther offshore, often "wiggling" up
mud where they stopped.

ase, Susan M
1973

Rana muscosa

6

July

Calif: Nevada Co, Cisco, Rattlesnake Creek,
elev 5200' (3) T 17N R 13E quad 29

caught 1 animal ~ 8:45 AM (PDT)
at bridge on road to Woodchuck Flat
campground. Walked both up & downstream
but saw no others.

July

Calif: Nevada Co., Graniteville, Upper
Poorman Creek elev 5000' T 18N R 11E quad 10

according to Houser & Sutton muscosa
are here. Saw 2 frogs in this creek
but since were unable to capture
cannot be certain. Stream gradient
rather steep so probably are R. m.
~ 4 PM (PDT)

August

Calif: Nevada Co., Graniteville, Upper
Poorman Creek elev 5000-5400' T 18N R 11E quad 10

arrived sometime around 1 PM,
ate lunch & then walked ~ 1.5 mi
upstream. Caught 10 indiv.; all
fairly lg - several also got away.
No tad poles seen. Finished ~ 4:30 pm (PDT)

Case, S. M.
1974

Rana muscosa

7

California: Nevada Co., Sagehen Creek

July 1974

starting at 2:30 - 3:00 pm (PDT), walked ~1 1/2 mi downstream from UC field station, past 2nd beaver pond. Saw 1 R. muscosa ~ 3/4 - 1 mi downstream - it got away.

July 1974

went to Box Spring in Prouse(?) Woods where muscosa has been seen. None there. Then drove to large turnout on rd to Carpenter Ridge and walked up Sagehen Ck to Sagehen Pond. No muscosa there.

July 1974

went up to where Sagehen Ck crosses Carpenter Ridge rd. Walked upstream ~500 yds & saw 1 muscosa jump in. Went downstream ~1 - 1 1/2 mi. Got 1 ♂ muscosa ~ 1/2 - 3/4 mi down. Was sitting on a log. On way back to camp (~1 hr later), he began to call. Think may be release call. Vs short (1-3 sec), guttural, trill, single pitch (which may be lower than that of R. boylei). Rpt'd several times.

California: _____ Co., West Lake at rest area on I-80 south

July 1974

saw 2? muscosa on west side of lake ~ 10 am (PDT). Unable to capture either.

ae, S.M.
1974

Rana muscosa

8

24 July 1974

California: Alpine Co., Mosquito Lakes elev 8050'

stopped at Mosquito Lakes at Pacific Grade Summit. are 2 lakes there separated by a dam.

Upper Mosquito is farthest ^{west} ~~east~~ = largest.

Lot of people fish there.

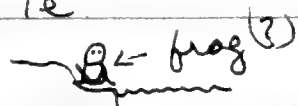
Caught 2 tads on ^{west} ~~east~~ bank which was grassy, shallow & more away from road. Seems to be good size population there - mostly on side away from road & where H₂O is shallower. Caught 10 individuals in a 50 foot area b/n 11:30 am - 12:30 pm (PDT).

Then went down to 2nd lake & caught 10 individuals there. Again, frogs more numerous on bank removed from road. Population does not seem as large there. Worked 12:30 pm - 2:15 pm (PDT).

California: Tuolumne Co., Elizabeth Lake, Yosemite Natl Park, 3.8 mi N Tuolumne Meadows camp elev 9580'

August

caught 10 individuals along edge of lake. are mostly on logs, rocks or small moist areas of bank where is enough room for them to sit i.e.

 ← frog(?)

is large area of shore that is very sandy - no frogs seen there. is also small rivulet ~ 1 foot wide. Saw 1 frog in there (but he got away). Few tads seen all looked like 2nd year. (12n - 2 pm PDT)

1974

Rana muscosa

9

California: Tuolumne Co., Dog Lake, Yosemite Natl
Park, ~1.5 mi from Lembert Dome parking lot in
Tuolumne Meadows elev 9240'

August

caught 10 individuals - seem to be most common
in shallow areas where is grass growing.

Also logs, etc. although will just sit on
bank. Seem to require shade. Few tad.

Seen - all look like 2nd yr. (9-11am PDT)

(ref to frogs caught in Elizabeth & Dog Lakes).

18 Aug. -
22 Aug

~ 8:30 - 10:30 pm (PDT) in Berkeley, Calif.

arrived home ~ 6:00 pm (PDT). Removed
animals from ice chest in which had
been stored, placed in plastic shoe boxes

(4-5 animals each) in H₂O. Left on

kitchen table and shades drawn. Only

light on was in bedroom (ie door open)

~ 8:30 pm & sporadically (~ once / 1/2 hr.)

heard low single hollow click, < 1 sec

length. Pitch seem to vary - heard at

least 3 distinct individuals. no movement

of any animals observed (ie no one hopping
and to confuse things).

Next am (19 Aug) ~ 7-7:30 am (PDT)

heard diff sort of call - longer (~ 2 sec or

more), sort of trill (release call have
heard before, although shorter). Also given

sporadically. Heard this again many (?)

times (is on tape) ~~the~~ Pitch of varies -

Case, S. M.
1974

Rana muscosa

10

Aug-22 Aug
(cont)

depend on size of animal - deep in lg
indiv. - just a squeak in small ones. Mating
call(?) not heard again (despite effort).

se, S.M.

Rana muscosa

11

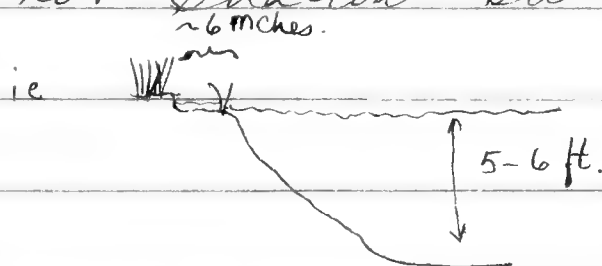
1975

Calif: Tuolumne Co, Lukens Lake, YNP elev.

4 Sept

arrived at lake ~ 10^{AM} (PDT). spotted
1 juvenile on piece of bark which I
caught. One other juvenile seen on muddy
area of bank but unable to catch.

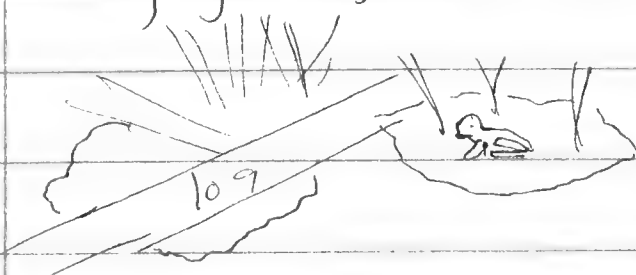
is difficult to spot frogs here because
of nature of lake. Most shore
~~off~~ overgrown to grass and lake
not shallow but drops off abruptly.



One end of lake bordered by mdw- is bit
marshy & sev. lge potholes (at least 4-5' deep;
and 3 ft diameter) near edge of lake. One
large indiv. jumped into one of these & altho
I could see where he had gone, was unable
to reach him.

At opposite end of lake (where is a stream
outlet I think) are a # of large logs.
H₂O very shallow there (~6 inches) and there
is at least an inch of silt on the bottom.

Grasses also grew along edge's in H₂O there.
Saw 1 adult sitting in pool of ~ 2" H₂O
among grasses; was able to catch.



Case, S.M.
1975

Rana muscosa

12

Calif. Tuolumne Co., Lukens Lake, YNP, elev.

4 Sept (cont)

A number of tadpoles were seen in this area of lake. Were very wary and at the slightest disturbance would move away & bury into the silt (in which they were almost impossible to find). After much work caught 5 tads. Left the rest to become happy adults.

Calif: Tuolumne Co., unnamed ck from Lukens Lake,
~ 0.5 mi from Lake towards White Wolf camp,
near flk of trail ~~to~~ for Lukens Lake &

4 Sept.

ck ~ 50 ft from trail so decided to see if anything there. Spotted individual sitting on gravel "sandbar". He jumped into H₂O and hid under algal covered rock from which he was retrieved. Stream w/ no gradient - but ran slowly / quietly. Small stream, only 1-2 ft across & only ~ 1 ft deep.

California: El Dorado Co., Tamarack Lake T, R17 E

15 Sept.

fd only juveniles out. Most w/in small area of lake near outlet. Suspect is where muscosa usually breeds, or at least where young all congregate since is where have almost always fd tads.

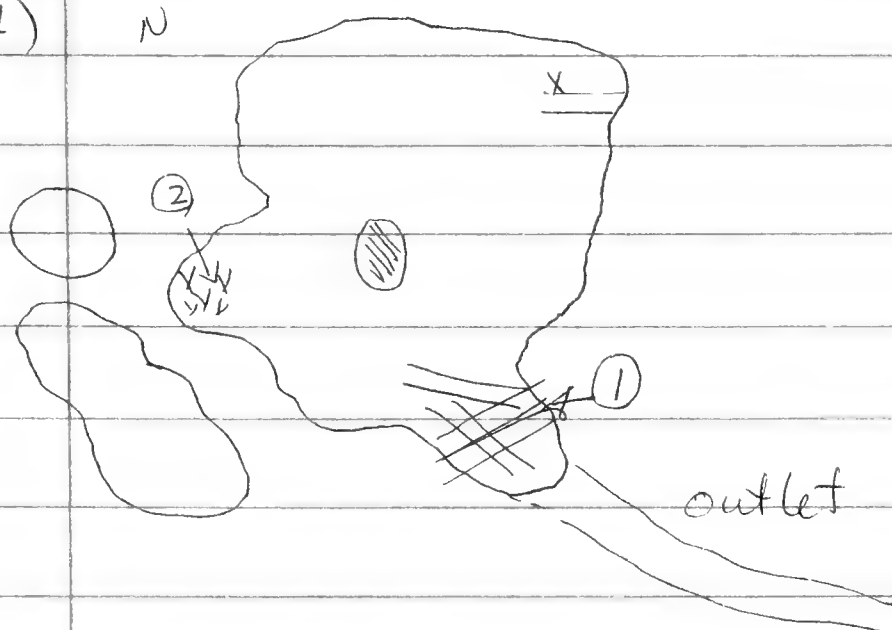
se, S.M.
1975

Rana muscosa

13

California: El Dorado Co., Tamarack Lake, T, R17E

15 Sept (cont)



1 frog seen sitting on log at spot X. Tried 3 times to capture but unsuccessful. Area along N shore grassy, hd to get into. May be others there. Upon scaring frog into H_2O , it returned to farther end of log in 5 min. Three more juveniles found in area 1 which is outlet of lake - lot of fallen logs there too many hiding places. One other individual seen there but unable to capture. Two more individuals taken in area 2, also shallow, w grass (not dense) & lots of silt. A few tad. (of uncertain identy.) also seen there.

Susan M.
1973

Hyla californica
Hyla cadaverina

Calif: Los Angeles Co., North Fork San Gabriel
River elev 1657' T2N R10W quad

July

walked ~ 2 mi upstream from
bridge over W. Fork of river. No
adults seen. Did collect 10 Hyla
tads. Also see some Bufo (?) tads.
All larvae in pools separated
off from main body of river
which was rather rapid.

Calif: Los Angeles Co., East Fork San
Gabriel River, elev 1650' T2N R9W quad

4 July

8:30 - 10:30 AM (PDT) just E. Williams
flat area. No adults seen. 14 tads
collected from 2 areas. Again tads in
small silty pools, some w algae.
Lots there. Many w hind limbs developed.
Some w forelegs also.

Pools isolated from main body of
river by ~ 100 ft. Suspect they may
go dry by late summer.

Calif: Los Angeles Co., W. Fork San
Gabriel River elev 1680' T2N R10W quad

24 July

11:00 - 11:45 AM (PDT). Walked ~ 1/4 mi.
up river. Found 8 tads in quiet pool
at side of river. Trouble w plastic
bags breaking so went back. None
w hind limbs erupted

Susan M.
1973

Hyla ~~californiae~~
cadaverina

2

Calif: Los Angeles Co., San Gabriel River,
Rincon Station elev. 1500' T2N R10W quad

July
stopped just below camp ~ 11:30 - noon (PDT)
found rel. lg # metamorphosing toads.
Collect 10.

2, SM
1974

Hyla regilla

1

California: Nevada Co., Sagehen Pond

July 1974

Caught 7 recently hatched tadpoles.
Also heard one ♂ calling from somewhere
at one end of pond. Unable to locate.

California: Alpine Co., pond at Big Meadows Campground

22 July 1974

small grassy pond near road. Found #
newly metamorphosed individuals on east
side of pond away from road. Most
sitting on bank or on vegetation near the
bank. Caught 9 individuals. Also saw
some nonmetamorphosed tad. & some just
beginning transformation.

S. M.
1975

Hyla regilla

2

California: San Joaquin Co (?), at bridge just below
Castle Rock, Livermore, (Corral Hollow)

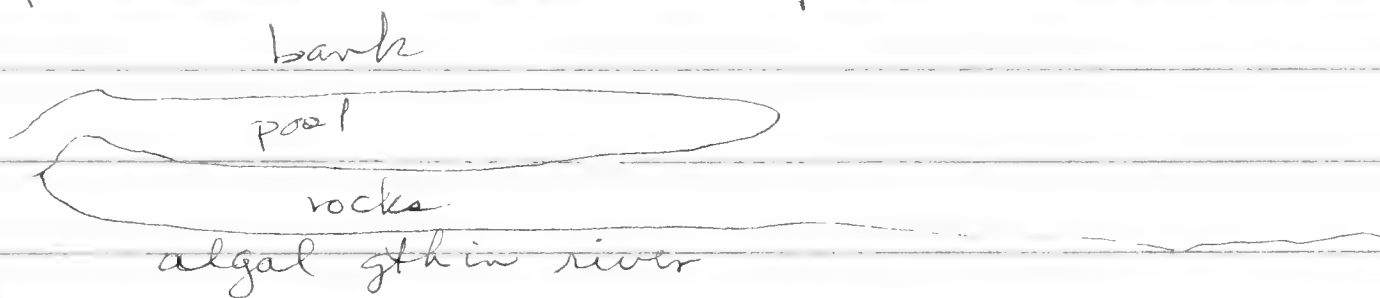
22 July

several tads there in muddy area, all meta-
morphosing. Saw 2 juveniles & 1 adult.

California: Co., Navarro Riv. at
Hendy Woods State Pk picnic area

25 July

at least 100 tads metamorphosing in smallish
pool (~10' x 2½'). Also Bufo there.



California: Modoc Co., Stoue (Stough) Reservoir

28 July

Reservoir is really just pond,
~30' diameter w grasses all along
edges. Whole pond filled w tadpoles, many
w hind legs grown. Am not good at
estimates but are several 1000 there
if not $\geq 10,000$. Someone who had been
camping in the area since early May
said adults had been breeding ~mid May.

California: Modoc Co., Lily Lake

28 July

in one shallow area w grasses & silt fd
both Hyla (aetho few) & Bufo (which
were elsewhere in lake also). Collected
a few. Seem much younger than those
at Stoue Res.

Susan M.

1973

Sceloporus occidentalis

3030 Soda Canyon Rd, Napa, Napa Co, California;

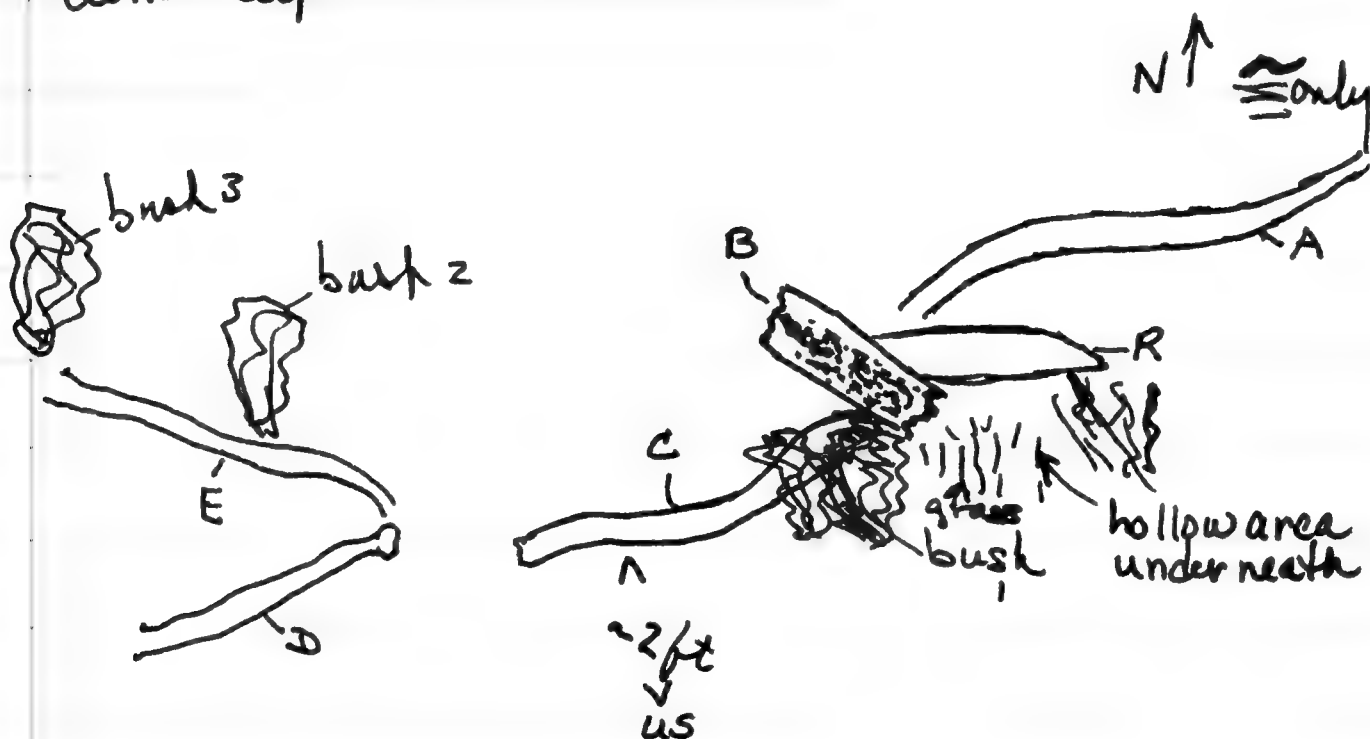
March

Sonoma quad. $122^{\circ}17'W$, $38^{\circ}27'N$ elev $\sim 1360'$

12:45 - 1:15 P.M. Sunny, but cool, w breeze.

Julian & I stopped for lunch - walk down hillside few feet to some rocks.

Saw some lizards scoot out of site as we came up.



~ 15 min after 1st arrived, what turned out to be larger ~~one~~ (I) lizard ~~go~~ poked head up over edge of burned out piece of wood (B) resting by rock (R). Several times was scared off (by accident). ~ 5 min later smaller lizard (II) appear on far end of log A - move toward us - flatten out against log for few minutes. Do one shallow pushup. - Bite small flying insect (which I also saw), orient, leap at (guess he got it). Look like he may have caught several more in the next few seconds

1973

Sceloporus occidentalis3030 Soda Canyon Rd, Napa, Napa Co., California

narch(cont): 27. altho I'm not sure. During this feeding had moved over to rock R & then onto log B - at far end of from us. Then move back to log A (near rock) - orient flat against log. Looks like may be $\sim 90^\circ$ to sun's rays. After few seconds moved farther from us up A, turned & came back down over the rock to B. I had been poking out from under B & onto log C. Was frightened into hollow by sudden approach of B. II followed I into hollow. Heard movement & could see tail of one of them, but not know what happening.

II came out onto log C & moved to - where ~ 2 ft from me. Did 2-3 pushups. Move forward, do 2-3 more. Turn head to look (at us I guess). Move to end C, jump to end log D (only few inches) - jump to end log E. Did few pushups there; move away from us to E. When reach bush 2, off log into base of bush. Looked out from there. Move back to log E & move farther away from us (could no longer see). Got up to leave.

Area quite open. Looks like fire there. Lot of burned logs ar'd. Bushes to, relatively far apart. Lot of rock.

Susan M.
1974

Gerrhonotes multicarinatus

California: Trinity Co., Mill Ck, ~.1 mi upstream from
where ck crosses Hiway 299.

August

Spotted one under fallen tree at edge of stream,
under which it fully retreated. Red coloration was
quite pronounced.

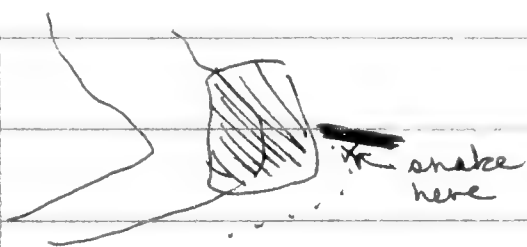
se, Susan M.
1974

Crotalus viridis

California: Trinity Co., Phelps Ck above
Phelps Ck campgd elev ~2400'

2 August

was walking upstream looking for Rana
boylei. Since there was lg boulder on bank
had to wack and it to get back to stream.
As went and rock, stumbled slightly &
stepped over log beside which saw
snake.



It was light-medium
brown & white, ~ 2 ft long
& ~ 1/2" diameter. I stepped
back after noting rattles while it had
started to move down path to stream, not
moving very far or very fast. I checked
shape of head, to be sure (wout going any
closer) and started to move off, deciding
to go back to camp. Snake "decided" it
should rattle at me but I had already
left. Other people in campgd also report
killing a rattlesnake that day.

Area is pine forest (looks like it has been
logged) w little undergrowth. Herbaceous shrubs
& vines (blackberry maybe) and stream.

24 July

① up 17 N → San Rafael (urine got lost) → San Francisco Drake Blvd to Rte 1.

② check stream in Taylor State Park at couple of places for boylii but no luck

③ Drove up 1 N. Stopped at Salmon Ck to look for aurora. No luck.

④ stopped to try small stream for boylii. Nothing

⑤ Stopped at mouth of Gualala river. just 2 deer.

⑥ drove up to Manchester Beach State Park where camped. Looked for 2 ponds at N end of beach where Sam Sweet found aurora — dry

25 July

① walked down beach toward Pt Arena to find outlet Lagunas Ck. followed upstream anyway but no fds

② drove up to junct to Rte — stopped at ck just S of Greenwood Ck. Got sev. (~~10~~¹⁴~~X~~~~X~~~~X~~~~20~~) boylii tad. Also some Salamander larvae there)

25 July (cont)

③ stopped along Navajo Riv at P.M. Dimmick State Park - caught 1 bullfrog tad.

④ ate lunch at Hendy Woods State Park. Pool is lot of Hyla regilla tads (metamorphosing) & Bufo (?)

⑤ drove down to rte 20 → Upper Lake (after stopping Ukiah - 110°)
5 up to Middle Ck camped - unfort.
Ck is dry.

26 July

① drove down to Rte 175 N of Hoberg where Cold Ck crosses rd. In 1961 got 8 aurora there. Saw (or scared) ~ 8 catesbeiana. Are sev. tads there too.
So much for aurora

② went back to 20 → Rte 5 to area N of Redding - stopped at Mt. Shasta City

27 July

① Castle Lake - people UC Davis limnology stat say are none (trout eat). Try Meadow Lake (or Little Castle Lake) for 1 mi hike up - dried up. Suspect may be Hyla in there

27 July (cont)

② head for Alturus - Stop at Colby Meadow - caught 3 cascades in & rocky, slow move pts of stream. Drive to Moosehead Ck - saw 1 frog (it got away)

③ Stopped at Cedar Pass camp,

28 July

① spent all a.m. walking ck out of camp - no frogs!

② Stough Reservoir. camped ~ 3 mi E - lot (1000, 10,000's) tads - probably Hyla but took ~ 30 just in case.

③ drove up to Lily Lake - # Bufo tads, few adults (caught 1 for Julie) also some other tads (probably Hyla?)

Stopped at stream couple places going down to one unmarked pond -

④ Stayed at Plum Valley Camp - no frogs seen in stream there

29 July

① overcast morning - light rain - does not look like it's going to clear up so will not head downstream on creek.

② decide to leave campd ~ 9⁴⁵ am see if is better weather elsewhere. Is not. Looks like rain all three Mts. Return to Cedar Pass campd to spend day - wait out weather. Will be welcome bk - perhaps help restore some enthusiasm.

30 July

① cold night - still very overcast.

② drove to Aetwas where only 58° at 11 am. Went to Likelly & drove in along S. fork Pitt Riv. Aside from being cold ^{weather} the stream was running very fast from rain runoff, was overflowing its banks in places & was rather muddy. After walking it a few hundred yds in a few places I decided it wasn't worth it under present conditions.

③ drove up to Silver Lake - east of Lassen Volcanic Natl Park.

Guess what? Thunderstorms. Looks

